

Hazardous Materials Survey Report

**Former Norwich State Hospital
Ribicoff Building
Circle B South
Preston, Connecticut**

Nobis PO Number: 10-NH-80049-007

**M&A Project No. 7055001.000
October 28, 2010**

Prepared for:



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Prepared by:



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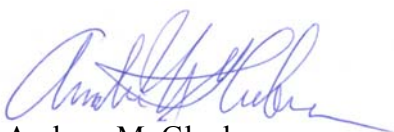
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ACKNOWLEDGMENT

This Hazardous Materials Survey report was prepared in accordance with an established scope of work as defined in PO Number 10-NH-80049-007 issued by Nobis Engineering, Inc. (Nobis). The information presented herein is based on the facts and information conveyed to or received by Mabbett & Associates, Inc. (M&A) during the preparation of this report. If any of the information provided to M&A that was used in preparing this plan is incorrect, incomplete, or subject to change, M&A would wish to alter its opinion(s) accordingly. In addition, the professional opinions and information contained in this report are based solely on the requirements of the applicable regulations and technical data as known to M&A as of the date of this report and considered applicable to this report.

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EXECUTIVE SUMMARY

Mabbett & Associates (M&A) performed a Hazardous Materials Survey at the Former Norwich State Hospital, Ribicoff Building for Nobis Engineering, Inc. (Nobis) per PO Number 10-NH-80049-007. The Ribicoff Building at the Former Norwich State Hospital is located at Circle B South in Preston, Connecticut.

Physically accessible areas of the building, including the roof and basement, were surveyed. A basement transformer room listed on historical engineering plans was inaccessible. The survey consisted of the following activities:

- Asbestos-Containing Material (ACM) survey (inspection, sampling and analysis by polarized light microscopy [PLM])
- Lead-Based Paint (LBP) survey using portable X-Ray Fluorescence (XRF)
- Hazardous and/or Regulated Materials (HRM) survey for polychlorinated biphenyls (PCBs), fluorescent lamp tubes, mercury gauges and switches, radioactive sources, batteries, refrigerants, and other hazardous and/or regulated building materials

Asbestos Results Summary

Results from the laboratory analysis of submitted bulk samples indicated that the following building materials are identified as friable or non-friable ACM (i.e., asbestos was present at concentrations equal to or greater than 1%):

Friable Asbestos

- Laboratory door panel - 20% Chrysotile
- Window glazing gasket - 3% Chrysotile
- Thermal system insulation, >6" diameter pipe - 10% Chrysotile & 40% Amosite
- Thermal system insulation, <6" diameter pipe - 20% Chrysotile & 40% Amosite
- Thermal system insulation, pipe fitting cement, >6" diameter pipe - 3% Chrysotile
- Thermal system insulation, pipe fitting cement, <6" diameter pipe - 5% Chrysotile

Non-Friable Asbestos

- Black roof flashing - 10% Chrysotile
- Window glazing - 2% Chrysotile
- Caulk between walls and doorways - 5% Chrysotile
- Black solid pipe casement - 40% Chrysotile
- Electrical mounting board - 30% Chrysotile
- Black foundation footing flashing cement - 30% Chrysotile
- 9"x9" vinyl floor tile (pink, red, maroon, white, off-white, green, dark blue, white with green streaks) and mastic – 2-10% Chrysotile
- 9"x9" grey vinyl floor tile mastic - 2% Chrysotile
- 12"x12" vinyl floor tile mastic - 5% Chrysotile

Additionally, a historical asbestos survey conducted in 2006 indicated that the following materials are non-friable ACM:

- Brown glue daubs associated with white 1'x1' acoustic ceiling tiles – 2.5% Chrysotile
- Silver roof paint at parapets and vents – 4% Chrysotile

A summary table of ACM and estimated quantities is provided in Table 1 and Figures 1 - 6. Detailed information on the ACM descriptions, locations, quantities and laboratory analysis reports are contained within this report and Appendix A.

Lead Based Paint Results Summary

Results from the XRF measurements of painted surfaces indicated that LBP (lead concentrations at or greater than 1.0 milligram per square centimeter [mg/cm^2]) was found on the following interior and exterior building components surveyed:

- Metal window lintels (interior and exterior)
- Metal stair risers
- Elevator doors on 2nd, 3rd and 4th floors
- Metal door casings in ground floor room 106 and 3rd floor rooms 303A, 306 and 311
- Vinyl cove base in 2nd floor cafeteria and room 202

The current LBP survey confirmed historical LBP survey findings reported in 2006, which indicated LBP was present on limited stair and door components. A summary table of materials with LBP is provided in Table 2 and Figures 7-10. Painted surfaces containing lead at concentrations less than $1.0 \text{ mg}/\text{cm}^2$ were also detected and are presented in Appendix A.

Other HRM Results Summary

The HRM survey for hazardous and/or regulated materials identified the following materials:

- Approximately 75 older style light ballasts possibly containing polychlorinated biphenyls (PCBs)
- Over 3,200 linear feet of fluorescent light tubes containing mercury
- 1 thermostat containing a mercury ampoule
- 44 pounds of refrigerant (present in air conditioners, bubblers, cooler, freezer)
- 40 batteries (present in emergency lighting)
- 8 exit signs potentially containing radioactive sources
- 1 autoclave potentially containing asbestos gaskets
- Hydraulic fluid in elevators

A summary of HRM findings is provided in Table 3. In addition, laboratory analysis for PCBs in collected caulk samples indicated that PCBs (present as Aroclor 1254) were detected at 2.61 milligrams per kilogram (mg/kg) in the front door caulking, 179 mg/kg in window caulking, 147,000 mg/kg in stone sill caulking, and 1.23 mg/kg in side door caulking. The PCB sample locations are indicated on Figure 11.

The current HRM survey confirmed historical HRM survey findings reported in 2006. However, the historical survey noted the presence of water and heater pumps, air handlers and two radioactive energy attenuation analyzers which may have been removed by theft or other means from the building following the 2006 HRM survey.

Conclusions

Based on the findings abatement, removal or proper management in accordance with Federal, state and local regulations of hazardous materials identified will be required prior to planned demolition of the building.

Table 1 Summary of Asbestos-Containing Materials Identified (≥1% asbestos)		
Type of ACM	Component	Estimated Quantity
Miscellaneous	Laboratory door panel	55 square feet
Miscellaneous	Window glaze gasket	400 linear feet
Thermal System Insulation	Insulation on >6" dia. pipe	125 linear feet
Thermal System Insulation	Insulation on <6" dia. pipe	125 linear feet
Thermal System Insulation	Insulation on pipe fitting cement, >6" dia. pipe	50 units
Thermal System Insulation	Insulation on pipe fitting cement, <6" dia. pipe	290 units
Miscellaneous	Black roof flashing	500 linear feet
Miscellaneous	Window glazing	96 units
Miscellaneous	Caulk between walls and doorways	3,500 linear feet
Thermal System Insulation	Black solid pipe casement	10 linear feet
Miscellaneous	Electrical mounting board	5 square feet
Miscellaneous	Black foundation footing flashing cement	1,700 square feet
Miscellaneous	9"x9" vinyl floor tile (Pink, Red, Maroon, White, Off-white, Green, Dark blue, White with green streaks)	19,000 square feet
Miscellaneous	9"x9" vinyl floor tile mastic (under Pink, Red, Maroon, White, Off-white, Green, Dark blue, White with green streaks, and Grey tiles)	19,000 square feet
Miscellaneous	12"x12" floor tile mastic	1,000 square feet

Table 1 Summary of Asbestos-Containing Materials Identified ($\geq 1\%$ asbestos)		
Type of ACM	Component	Estimated Quantity
Miscellaneous	¹ Brown glue daubs associated with white 1'x1' acoustic ceiling tiles	600 square feet
Miscellaneous	¹ Silver roof paint at parapets and vents	300 square feet

Notes:

1 – Reported in 2006 historical ACM survey provided by Nobis.

Table 2 Summary of Components with Lead-Based Paint (≥ 1.0 mg/cm² lead)	
Interior	Window Lintel: White, metal throughout building
	Door: Gray, metal located in the south side of ground floor room 106
	Door Casing: Gray, steel, south side of 3 rd floor rooms 303A, 306 and 311
	Cabinets: Gray, metal located in ground floor rooms 106 and 110A
	Cove Base: Brown, vinyl located in 2 nd floor cafeteria Black, vinyl located in 2 nd floor room 202
	Elevator Door: Gray, metal located in 2 nd floor room 202
	Stair Risers: Gray, steel throughout building
Exterior	Window Lintel: Gray, metal on building exterior

Table 3 Summary of Other Hazardous and/or Regulated Building Materials	
Item	Quantity
PCBs: light ballasts	75 units
PCBs: caulk at front doors, windows, stone sill, side doors	2,300 linear feet
Dielectric Fluid: light ballasts (no-PCBs)	270 units
Mercury: fluorescent light tubes	Over 3,200 linear feet
Mercury: thermostat containing a mercury ampoule	1 unit
Refrigerant: air conditioners, bubblers, coolers, freezers	44 pounds
¹ Capacitors: air conditioners, bubblers, coolers, freezers	17 units
Batteries: emergency lighting units	40 units
Radioactive Sources: exit signs	8 units
Hydraulic fluid: associated with elevators	2 units
² Other: Isotemp oven, autoclave	1 unit each

Notes:

1 – Eleven air handlers and 6 water/heater pumps were reported in 2006 historical HRM survey, but these items were not located during M&A's HRM survey on October 5, 2010.

2 – Two radioactivity energy attenuation analyzers were reported in 2006 historical HRM survey, but these items were not found during M&A's HRM survey on October 5, 2010.

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Table 2	Summary of Components with Lead-Based Paint (≥ 1.0 mg/cm ² lead)
Table 3	Summary of Other Hazardous and/or Regulated Building Materials

APPENDICES

Appendix A	Tables of Asbestos and Lead-Based Paint Results
Appendix B	CADD Drawings with Sample Locations (Asbestos, LBP, and PCB)
Appendix C	Laboratory Reports and Chains of Custody
Appendix D	Photograph Log of Representative Asbestos Bulk Sample Materials

1.0 INTRODUCTION

This report presents the results of the Hazardous Materials Survey conducted by Mabbett and Associates, Inc. (M&A) at the Ribicoff Building at the Former Norwich State Hospital located at Circle B South, Preston, Connecticut. The survey included a thorough inspection and sampling for asbestos-containing materials (ACM) and lead-based paint (LBP) inside and outside of the building, including the roof, in advance of proposed demolition of the building. Additionally, M&A performed a visual inspection for other hazardous and/or regulated building materials (HRM), including mercury, refrigerants, polychlorinated biphenyls (PCBs), and radioactive sources.

1.1 Building Description

The Ribicoff Building is located at the Former Norwich State Hospital in Preston, Connecticut. The building is approximately 31,000 gross square feet and was constructed in *circa* 1966. It is a four story detached brick building. The building is comprised of a below-ground basement and four upper stories. The building was previously used for laboratories, a canteen, and administrative offices. The building was heated using a furnace (fuel unknown) located in the basement. No aboveground or underground fuel oil storage tanks were observed. No central cooling unit was observed. The building has been abandoned for approximately 10 years. Evidence of vandalism was pervasive throughout the building interior. The majority of exterior and interior windows were broken, doors unhinged, floor tiles un-adhered, ceiling tiles damaged, and the basement contained approximately an inch of water near the stairwell. There was no power or lighting at the time of the surveys. With the exception of the ground floor main entrance, boards and concrete slabs covered the ground floor doorways at the time of the inspection.

According to Nobis, the building is scheduled for demolition.

1.2 Inaccessible Building Areas

Inaccessible areas were not surveyed. Inaccessible areas were limited to a basement transformer room. The presence of the basement transformer room was identified on building engineering plans. The engineering plans did not show any interior access doors or hatches to the transformer room, but indicated an exterior access-way located near the building front entrance. The transformer room should be evaluated for hazardous and regulated materials, particularly mineral oil dielectric fluid (MODF), once the bulkhead becomes accessible.

2.0 METHODOLOGY

2.1 Inspectors

The inspection for ACM was conducted on October 4 and 5, 2010 by M&A's Connecticut-licensed asbestos inspectors Mr. Jody Freitas (License 000276) and Mr. Andrew Glucksman (License 000417). The HRM survey was conducted on October 5, 2010, by Mr. Mike Delaney and Ms. Victoria Hawkes with M&A. The LBP survey was conducted on October 4 and 5, 2010 by M&A subcontractor EnviroMed Services, Inc. (EnviroMed) of Meridian, Connecticut. EnviroMed's Connecticut-licensed Lead Inspectors, Mr. Nick Santore (License 002168), Mr. Luis Santiago (License 002170) and Mr. Dominic Fiore (License 002108) completed the LBP survey.

2.2 Asbestos Survey

M&A performed an asbestos inspection and bulk sampling survey of all accessible areas of the Ribicoff Building on October 4 and 5, 2010. In accordance with the scope of work, the asbestos inspection consisted of the following:

1. **Review of existing documentation.** M&A was provided a hardcopy of historical building engineering plans by Nobis. A historical hazardous building material survey report (Earth Tech/building summary 2006/Ribicoff) was provided by Nobis to M&A prior to the October 2010 survey. The historical report indicated that 27 bulk samples were collected by others in 2006. Materials containing asbestos included thermal system insulation, mudded pipe fittings, interior door caulk, 9-by-9-inch floor tile (color not specified) and associated mastic, glue daubs associated with 1-by-1-foot ceiling tiles (based on TEM analysis), interior grey window caulk sealant at the perimeter of window units, and exterior edge flashing cement. Vibration joint cloth was assumed to be ACM but was not sampled for analysis. Interior metal window glazing compound contained less than 0.5% chrysotile asbestos (based on PLM using 400 PC).

These historical results have been combined with the current ACM survey results in this report. Where historical results differ from M&A's ACM inspection results, the more conservative results (e.g., positive results) have been reported.

2. **Sampling of Suspect Asbestos-Containing Materials (ACM).** Suspect ACM was sampled and collected in accordance with U.S. EPA National Emissions Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA), and State of Connecticut protocols. Specifically, the sampling scheme for each homogeneous material was as follows:
 - a. Surfacing Material on ceilings, walls, and structural members:
 - i. Less than 1,000 square feet = at least three (3) samples

- ii. Between 1,000 square feet and 5,000 square feet = at least five (5) samples
 - iii. Greater than 5,000 square feet = at least seven (7) samples
 - iv. At least one additional sample for each additional 10,000 square feet up to a total of nine (9) samples
 - v. At least one (1) sample for each patched area
- b. Thermal System Insulation such as pipe work, valves, elbows, and ductwork:
- i. At least one (1) bulk sample from each homogeneous area of patched thermal system insulation if the patched section is less than six (6) linear or six (6) square feet
 - ii. At least three (3) bulk samples from each homogeneous area of thermal system insulation equal to or greater than six (6) linear or square feet
 - iii. At least one (1) sample of valve material, hanger, and elbow mud for each insulated line of varying diameter and visible appearance
- c. Miscellaneous Materials:
- i. Miscellaneous materials including ceiling and floor tiles, linoleum or vinyl floor coverings, baseboards and similar material, and their adhesives:
 - a. At least one (1) sample for an area containing up to 160 square feet or 260 linear feet of suspect material.
 - b. At least three (3) samples for an area of 260 - 5,000 square feet or between 160 – 1,000 linear feet of suspect material.
 - c. At least one (1) additional sample for each 5,000 square feet or 1,000 linear feet or part thereof of material to a total of nine (9) samples.
 - ii. Roofing, including built-up roof (BUR) systems as well as other types of suspected asbestos-containing roof material shall be sampled. Sampling includes roofing felts or tar papers, as well as shingles, where present. Three (3) samples of each layer of a homogeneous roof area up to 10,000 square feet and one (1) additional sample for each additional 10,000 square feet or part thereof to a total of nine (9) samples shall be collected.

Industry-standard destructive ACM bulk sampling methods were used, and the survey gave consideration of the proposed demolition of the building. Tools used to sample suspect thermal system insulation, plasters, mastics, tiles, and other friable and non-friable materials were wiped clean between samples to prevent cross-contamination. Collected bulk samples were placed in individually sealed bags and labeled with a unique sampling number. The sampling location, material description, sample number and quantity were noted on field sheets. Representative photographs of sampled building materials are provided in Appendix D.

Homogeneous materials sampled for asbestos included:

- Vinyl floor tiles and associated mastic
- Suspended ceiling tiles and associated glue daubs
- Vinyl cove base and associated mastic
- Laboratory-grade counter/table tops
- Window caulking/glazing
- Textured finish/coatings
- Vibration cloth
- Expansion caulk
- Cupboard panels
- Drywall/joint compound
- Pipe/boiler insulation
- Tar and gravel roofing system
- Roof flashing

Collected bulk samples were submitted under chain-of-custody procedures to ProScience Laboratory in Woburn, Massachusetts. Submitted samples were analyzed using EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM). A summary of sample numbers, locations, material descriptions, and analytical results for all collected samples is presented in Appendix A -Table A. Room numbers reported in Table A are based on the building engineering plans provided by Nobis to M&A. The locations of collected ACM bulk samples and ACM locations are provided in Appendix B – Figures 1 through 6. Copies of the ProScience laboratory certificates of analysis, chains-of-custody, and Connecticut certifications are provided in Appendix C.

2.3 Lead-Based Paint Survey

M&A subcontractor EnviroMed performed the LBP survey of accessible painted surfaces on October 4 and 5, 2010. In accordance with the scope of work, the lead-paint survey consisted of the following:

1. **Review of existing documentation:** Nobis provided M&A with an historical building material survey prepared in 2006 and which included results of a LBP survey. The historical report indicated that 36 XRF readings taken by others indicated “high levels (>1.0 mg/cm²) of lead in paint in limited stair and door components.” However, no additional information about the location of these components was provided. In addition, the historical report indicated that “low level (<1.0 mg/cm²)” were detected on cinderblock walls, ceilings, metal doors and door frames.
2. **Screening of painted components:** Suspect homogeneous groupings of components were tested using an X-Ray Fluorescence Analysis (XRF) analyzer (RMD LPA-1), Serial Number 1125.

The grouping of homogeneous components was based on the component, substrate and color. Once a member of a homogeneous group was found to contain LBP, no further testing within the group was performed because all components of that homogeneous group were considered to contain LBP.

The lead content of paint is measured in units of mg/cm^2 or 0.5% by weight. The XRF analyzer presents the lead concentration in mg/cm^2 . The OSHA Lead in Construction Standard 29 CFR 1926.62 deems paint to be lead containing when XRF analysis exceeds $0.00 \text{ mg}/\text{cm}^2$ (e.g. any measurable quantity). The State of Connecticut Lead Regulations (19A-111-3) deem paint to be a "toxic level" when XRF analysis is greater than or equal to $1.0 \text{ mg}/\text{cm}^2$, or 0.5% by weight in dry form, which is consistent with the U.S. Department of Housing and Urban Development (HUD) definition of lead-based paint.

During the screening, the directions indicated on the building engineering plans were used to identify which side of the interior or exterior side of the building a component was located. The XRF screening results, including sample locations and material descriptions, are presented in Appendix A – Table B. Room numbers used in this table are based on the building engineering plans. Appendix B – Figures 7 through 10 show approximate LBP measurement locations where readings were $\geq 1.0 \text{ mg}/\text{cm}^2$.

As specified by Nobis, paint samples were not to be collected for Toxicity Characteristic Leaching Procedure (TCLP).

2.4 Other Hazardous/Regulated Materials Survey

M&A performed an inspection for other hazardous and/or regulated building materials in accessible areas of the Ribicoff Building on October 5, 2010. In accordance with the scope of work, the inspection consisted of the following:

Review of existing documentation. Nobis provided M&A with historical hazardous/regulated building materials survey results performed by others in 2006.

Inventory of Hazardous/Regulated Materials. The inspection involved a visual search throughout the building interior and exterior for other hazardous/regulated materials. The inspection confirmed the historical results and identified materials absent from the historical inventory. Differences in the historical and current survey results may be due to vandalism and theft.

2.4.1 Polychlorinated Biphenyls (PCBs)

M&A quantified PCB-containing light ballasts and capacitors on October 5, 2010. Accessible areas of the building were assessed for PCBs, including the basement. Fluorescent light ballasts and capacitors manufactured after 1978 are labeled "No PCBs" by the manufacturer. Ballasts and capacitors not labeled or with illegible labels were assumed to contain PCBs.

Additionally, in accordance with M&A's scope of work, M&A collected four bulk samples of representative building caulk materials for PCB analysis on October 5, 2010. These materials included window caulk, entrance door caulk, stone sill caulk and side door caulk. Collected samples were submitted under chain of custody procedures to ESS Laboratory in Cranston, Rhode Island. Submitted samples were prepared for analysis by the laboratory using manual

Soxhlet extraction followed by analysis for PCBs using EPA Method 8082. Copies of the laboratory certificates of analysis and chains of custody are provided in Appendix C.

2.4.2 Fluorescent Light Tubes

M&A quantified the fluorescent light tubes (FLT) present in the building on October 5, 2010. Accessible areas of the building were assessed for FLT, including the basement. Fluorescent light tubes may contain up to approximately 5 milligrams of mercury.

2.4.3 Mercury-Containing Gauges and Switches

M&A quantified suspect mercury-containing gauges or switches present in the building on October 5, 2010. Accessible areas of the building were assessed for mercury gauges and switches, including the basement. It was noted that M&A discovered mercury beads on the floor and in a cabinet in Room 114; the volume of mercury observed appeared similar to the contents of a medical thermometer. However, M&A makes no claims about the actual volume of mercury released or distribution throughout the building. Nobis was notified and observed the release.

2.4.4 Radioactive Sources

M&A quantified exit signs present in the building on October 5, 2010. Accessible areas of the building were assessed for signs, including the basement. Exit signs may contain tritium, a radioactive source.

2.4.5 Other Hazardous/Regulated Building Materials

M&A assessed interior and exterior areas of the building for other hazardous/regulated building materials, including refrigerants, compressors, batteries, oil and paint containers.

3.0 RESULTS

3.1 Asbestos

M&A identified 59 types of homogenous materials and collected 180 representative bulk samples. M&A noted that majority of floor tiles on the first floor were un-adhered. All sample numbers, locations, material descriptions and laboratory results are presented in Appendix A – Table A. Estimated quantities of materials containing asbestos at concentrations greater than 1% (e.g., ACM) are presented in Table 1. Additionally, the location(s) of ACM are presented in Appendix B - Figures 1 through 6.

The laboratory-reported analytical data including historical data utilized for this survey indicated that 34 homogenous materials contained greater than 1% asbestos. Copies of the combined laboratory certificates of analysis and completed chains of custody forms are presented in Appendix C.

Based on field and laboratory analysis, ACM was categorized as either friable or non-friable. Friable ACM is defined by NESHAP as any material containing more than 1% asbestos that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. Non-friable ACM is defined by NESHAP as any material containing more than 1% asbestos that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Although by definition, non-friable asbestos when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure, non-friable ACM is likely to become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition. As such, for the purposes of this report, both friable and non-friable ACM are included as Regulated Asbestos-Containing Material (RACM) and must be managed prior to building demolition.

3.1.1 Friable ACM

The following friable homogenous materials collected during this investigation were confirmed by laboratory analysis to be ACM:

- Laboratory door panel - 20% Chrysotile
- Window glaze gasket - 3% Chrysotile
- Thermal System Insulation, >6" diameter pipe - 10% Chrysotile & 40% Amosite
- Thermal System Insulation, <6" diameter pipe - 20% Chrysotile & 40% Amosite
- Thermal System Insulation pipe fitting cement, >6" dia. pipe - 3% Chrysotile
- Thermal System Insulation pipe fitting cement, <6" dia. pipe - 5% Chrysotile

3.1.2 Non-Friable ACM

The following non-friable homogenous materials collected during this investigation were confirmed by laboratory analysis to be ACM:

- Black roof flashing - 10% Chrysotile
- 9"x9" Pink floor tile - 5% Chrysotile
- 9"x9" Pink floor tile mastic - 5% Chrysotile
- 9"x9" Red floor tile - 5% Chrysotile
- 9"x9" Red floor tile mastic - 5% Chrysotile
- 9"x9" Maroon floor tile - 3% Chrysotile
- 9"x9" Maroon floor tile mastic - 10% Chrysotile
- 9"x9" White floor tile - 5% Chrysotile
- 9"x9" White floor tile mastic - 5% Chrysotile
- 9"x9" Off-white floor tile - 5% Chrysotile
- 9"x9" Off-white floor tile mastic - 10% Chrysotile
- 12"x12" White floor tile mastic - 5% Chrysotile
- 9"x9" Green floor tile, type I - 2% Chrysotile
- 9"x9" Green floor tile mastic, type I - 3% Chrysotile
- 9"x9" Green floor tile, type II - 3% Chrysotile
- 9"x9" Green floor tile mastic, type II - 5% Chrysotile
- 12"x12" Light blue floor tile mastic - 5% Chrysotile
- 9"x9" Grey floor tile mastic - 2% Chrysotile
- 9"x9" Dark blue floor tile - 3% Chrysotile
- 9"x9" Dark blue floor tile mastic - 5% Chrysotile
- 9"x9" White with green streaks floor tile - 3% Chrysotile
- 9"x9" White with green streaks floor tile mastic - 5% Chrysotile
- Window glazing - 2% Chrysotile
- Caulk between interior walls and doorways - 5% Chrysotile
- Black solid pipe wrap - 40% Chrysotile
- Electrical mounting board - 30% Chrysotile
- Building foundation black flashing cement - 30% Chrysotile
- Brown glue dabs on 1' x 1' ceiling tiles – trace and previously 2 – 2.5% Chrysotile

3.2 Lead-Based Paint

M&A subcontractor EnviroMed conducted an interior and exterior LBP survey of the Ribicoff Building. EnviroMed noted that the paint was generally in very poor condition throughout the building.

The LBP survey included 516 XRF readings, including calibration checks. The following surfaces and components were found to contain lead at concentrations equal to or greater than 1.0 mg/cm²:

- Metal window lintels (interior and exterior)
- Metal stair risers
- Elevator doors on 2nd, 3rd and 4th floors
- Metal door casings in ground floor room 106 and 3rd floor rooms 303A, 306 and 311
- Vinyl cove base in 2nd floor cafeteria and room 202

Building materials that contain lead at concentrations below 1.0 mg/cm^2 are not defined by CT DEP or HUD as LBP, but are recognized by OSHA as lead-containing paint. The following surfaces and building components contained a measurable quantity of lead, but at a concentration less than 1.0 mg/cm^2 :

- Concrete masonry block wall
- Door casing
- Metal-I beam
- Vinyl cove base
- Ceramic wall
- Metal door
- Vinyl floor
- Steel radiator
- Locker
- Stair newel post

All XRF results, screening locations and material descriptions are presented in Appendix A – Table B.

The approximate XRF measurement location of materials containing LBP identified is presented in Appendix B – Figures 7 through 10.

3.3 PCBs

M&A counted 75 older type light ballasts that did not have a label indicating that PCBs were not present. These ballasts typically appeared aged and contained only two 4-foot fluorescent light tubes. These ballasts should be assumed to contain PCBs.

Based on a random sample of 40 additional newer style ballasts which had non-PCB labels, the remaining 270 newer style ballasts can be assumed to be labeled with information stating that PCBs are not present. However, these ballasts do contain dielectric fluid.

Laboratory-reported analytical data for the collected representative caulk samples indicated that PCBs (present as Aroclor 1254) were detected at 2.61 milligrams per kilogram (mg/kg) in the front door caulking, 179 mg/kg in window caulking, 147,000 mg/kg in stone sill caulking, and 1.23 mg/kg in side door caulking. M&A estimated that approximately 2,300 linear feet of caulk containing PCBs is present on the building exterior. M&A noted that the caulks were generally in an intact condition.

3.4 Fluorescent Light Tubes

M&A identified approximately 800 4- and 8-foot length FLTs at the time of the inspection. This corresponds to over 3,200 linear feet of light tubing. Fluorescent light tubes may contain mercury.

3.5 Mercury-Containing Gauges and Switches

One thermostat containing a mercury-filled ampoule was identified at the time of the inspection. It was located on the first floor.

It was noted that M&A discovered mercury beads on the floor and in a cabinet in Room 114; the volume of mercury observed appeared similar to the contents of a medical thermometer. However, M&A makes no claims about the actual volume of mercury released or distribution throughout the building. Nobis was notified and observed the release.

3.6 Emergency Lights

M&A identified 20 emergency lights. Each light contained two batteries, for a total of 40 batteries.

3.7 Radioactive Sources

M&A identified eight exit signs at the time of the inspection. Exit signs may contain tritium, a radioactive source.

3.8 Other Hazardous and/or Regulated Materials

3.8.1 Refrigerants

M&A identified 44 pounds of refrigerant, which may contain ozone-depleting chemicals (ODCs). Items containing refrigerant (estimated weight) included 10 window air-conditioning units (1.5 lbs each), five water fountains (1 lbs each of alkylbenzene), a large cooler (12 pounds), and the morgue freezer (12 pounds).

3.8.2 Capacitors/Compressors

M&A identified compressors associated with the 10 air conditions and five water fountains. Compressors may contain PCBs and other hazardous and/or regulated chemicals.

The historical 2006 HRM report indicated that at least six water and heater pumps and 11 air handlers were identified. However, M&A did not observe the water and heater pumps. The 11 air handlers may be a reference to the above-ceiling anemostats.

3.8.3 Hydraulic Oil

M&A identified a hydraulic elevator lift motor in the basement of the building. The volume of hydraulic oil in the motor and elevator system could not be confirmed.

3.8.4 Other Materials

One autoclave was identified on the first floor. It may contain asbestos gaskets or packing.

The 2006 historical HRM report indicated that at least two radioactive energy attenuation analyzers and one isotemp oven were identified. However, M&A did not observe these instruments.

The basement contained an above-ground expansion tank, a large air-handler, numerous motors, and vandalized electrical equipment. These materials may contain asbestos gaskets and packings. The vandalized electrical equipment contains a non-friable ACM backing board as indicated in this report.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Asbestos

M&A identified the presence of friable and non-friable ACM at the Ribicoff Building. Because the building is slated for demolition, friable and non-friable ACM are both RACM. A list of building materials containing RACM is provided in Table 1. As such, NESHAP requires that RACM must be removed from the building prior to demolition. However, ACM need not be removed before demolition if it meets the following criteria:

- (i) Is a Category I non-friable ACM that is not friable
- (ii) Is on a facility component that is encased in concrete or other similarly hard material and is adequately wet whenever exposed during demolition
- (iii) Was not accessible for testing and therefore was not discovered until after demolition began and, as a result of the demolition, cannot be safely removed. If not removed for safety reasons, the exposed RACM and any asbestos-contaminated debris must be treated as asbestos-containing waste material and kept adequately wet at all times until disposed of
- (iv) Is a Category II non-friable ACM and the probability is low that the material will become crumbled, pulverized, or reduced to powder during demolition

Suspect material encountered during demolition, and which has not been previously sampled and confirmed as being non-ACM, should be assumed as an ACM unless laboratory analysis of bulk samples prove otherwise. The chalk boards were not sampled during this as previous survey but should be managed as ACM during abatement as a precaution.

All abatement activities prior to demolition including disposal must be performed in accordance with all applicable Federal, state and local regulations.

4.2 Lead-Based Paint

Painted components that contain lead were present at the Ribicoff Building. A list of LBP (e.g., concentrations at or greater than 1.0 mg/cm²) and lead-containing (e.g. less than 1.0 mg/cm²) painted surfaces are presented in Appendix B – Table B.

Paint that is peeling, or paint dust that becomes airborne during demolition activities, poses a health hazard to workers and building occupants. Lead dust inhalation is a major route of entry for lead exposure. As such, paint that contains any measurable amount of lead—but that is not technically defined as LBP—is regulated by OSHA. The lead hazard should be eliminated in accordance with Federal, state and local regulations, including using licensed lead-abatement workers during abatement. Final clearance of the area can be confirmed by collecting wipe samples following disturbance and/or demolition of materials containing any measurable quantity of lead in paint. The data can be used to ensure that high lead dust levels are not present and that the area is safe for other workers.

Representative samples of LBP waste to be generated during building demolition—or following demolition but prior to disposal—should be collected and analyzed using TCLP in accordance with 40 CFR Part 261.

4.3 PCBs

Seventy-five fluorescent older style light ballasts are assumed to contain PCBs because there were no labels indicating the ballasts did not contain PCBs. Light ballasts potentially containing PCBs should be disposed of in accordance with 40 CFR Part 761.60 and any applicable state or local regulations. Approximately 270 newer style light ballasts did not appear to contain PCBs based on available labels but may contain dielectric fluid and should be recycled according to local and state regulations.

Approximately 2,300 linear feet of caulk containing PCBs was identified. These caulks must be managed in accordance with 40 CFR 761 and other applicable Federal, state and local regulations prior to demolition of the building. M&A notes that although the caulk appeared in intact condition, PCBs in caulk can be mobilized by weathering. Therefore, it is possible that soil adjacent to the building may be impacted with PCBs.

4.4 Fluorescent Light Tubes

Approximately, eight-hundred FLTs corresponding to over 3,200 linear feet of light tubing were identified in the Ribicoff Building. The FLTs should be removed from the building prior to demolition. Due to the potential presence of mercury in the FLTs, the tubes must be disposed of in accordance with applicable state and/or local regulations, and the EPA Universal Waste Rule.

4.5 Mercury-Containing Gauges and Switches

One thermostat containing mercury was observed during the building survey. The mercury ampoule should be removed from the thermostat prior to demolition and recycled accordingly. If the ampoule cannot be safely removed, the entire thermostat should be sent to a recycling facility.

It was noted that M&A discovered mercury beads on the floor and in a cabinet in Room 114; the volume of mercury observed appeared similar to the contents of a medical thermometer. However, M&A makes no claims about the actual volume of mercury released or distribution throughout the building. Nobis was notified and observed the release. Further evaluation of possible mercury contamination is recommended.

4.6 Emergency Lights

M&A identified 20 emergency lights, each containing two batteries. Batteries should be removed from the building prior to demolition and recycled as managed according to Federal, state and/or local regulations.

4.7 Radioactive Sources

Eight exit signs were observed at the time of the inspection. Exit signs may contain tritium, a radioactive source. Exit signs should be removed from the building prior to demolition and managed according to Federal, state and/or local regulations.

4.8 Other Hazardous/Regulated Building Materials

4.8.1 Refrigerants

M&A identified 44 pounds of refrigerants, which may be ozone-depleting chemicals. These materials should be removed from the building prior to demolition and recycled according to Federal, state and/or local regulations.

4.8.2 Capacitors/Compressors

M&A identified 17 compressors. Compressors should be removed from the building prior to demolition and recycled according to Federal, state and/or local regulations.

The historical 2006 HRM report indicated that at least six water and heater pumps and 11 air handlers were identified. However, M&A did not observe the water and heater pumps. The 11 air handlers may be a reference to the above-ceiling anemostats. These materials should be removed prior to demolition.

4.8.3 Hydraulic Oil

Hydraulic oil associated with the elevator lifts and inaccessible transformer room should be removed and properly managed according to Federal, state and local regulations prior to demolition.

4.8.4 Other Materials

The autoclave identified on the first floor should be removed prior to demolition, as it may contain asbestos gaskets or packing.

The historical 2006 HRM report indicated that at least two radioactive energy attenuation analyzers and one isotemp oven were identified. However, M&A did not observe these instruments. They may have been removed by theft. If these instruments are observed during demolition they should be removed from the waste stream and recycled.

The basement contained an above-ground expansion tank, a large air-handler, numerous motors, vandalized electrical equipment and an inaccessible transformer room. Demolition of the building may allow access to and removal of these items for recycling and additional evaluation. The transformer room should be evaluated for hazardous and regulated materials, particularly mineral oil dielectric fluid (MODF), once the bulkhead becomes accessible.

5.0 LIMITATIONS

This report has been prepared to assist Nobis in evaluating the potential hazardous materials located at the above-referenced site. M&A provided these services consistent with the level and skill ordinarily exercised by members of the profession currently practicing under similar conditions.

This report is intended for the sole use of the above-listed client. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document, the findings, conclusions, or recommendations is at the risk of said user. Additionally, the passage of time may result in a change in the environmental characteristics at this site. This report does not warrant against future operations or conditions that could affect the recommendations made. The results, findings, conclusions, and recommendations expressed in this report are based only on conditions that were observed during M&A's inspection of the site.

Appendix A

Tables of Asbestos and Lead-Based Paint Results

Table A
Asbestos Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample No.	Floor	Room	Material Description	Color	Result
1A	Roof	N/A	Asphalt roof field	Black	NAD
1B	Roof	N/A	Asphalt roof field	Black	NAD
1C	Roof	N/A	Asphalt roof field	Black	NAD
2A	Roof	N/A	Silver painted paper	Silver	NAD
2B	Roof	N/A	Silver painted paper	Silver	NAD
2C	Roof	N/A	Silver painted paper	Silver	NAD
3A	Roof	N/A	Flashing	Black	10% Chrysotile
3B	Roof	N/A	Flashing	Black	Stop positive
3C	Roof	N/A	Flashing	Black	Stop positive
4A	1	West stairwell	9"x9" Pink floor tile	Pink	5% Chrysotile
4B	2	East stairwell	9"x9" Pink floor tile	Pink	Stop positive
4C	3	West stairwell	9"x9" Pink floor tile	Pink	Stop positive
5A	1	West stairwell	9"x9" Pink floor tile mastic	Black	5% Chrysotile
5B	2	East stairwell	9"x9" Pink floor tile mastic	Black	Stop positive
5C	3	West stairwell	9"x9" Pink floor tile mastic	Black	Stop positive
6A	1	West stairwell	9"x9" Red floor tile	Red	5% Chrysotile
6B	2	East stairwell	9"x9" Red floor tile	Red	Stop positive
6C	3	West stairwell	9"x9" Red floor tile	Red	Stop positive
7A	1	West stairwell	9"x9" Red floor tile mastic	Black	5% Chrysotile
7B	2	East stairwell	9"x9" Red floor tile mastic	Black	Stop positive
7C	3	West stairwell	9"x9" Red floor tile mastic	Black	Stop positive
8A	1	West stairwell	Cove base	Black	NAD
8B	3	Hallway	Cove base	Black	NAD
8C	4	East stairwell	Cove base	Black	NAD
9A	1	West stairwell	Cove base mastic	Tan	NAD
9B	3	Hallway	Cove base mastic	Tan	NAD
9C	4	East stairwell	Cove base mastic	Tan	NAD
10A	1	West stairwell	Textured surfacing on cinderblock	Multi	NAD
10B	2	East stairwell	Textured surfacing on cinderblock	Multi	NAD
10C	4	Hallway	Textured surfacing on cinderblock	Multi	NAD
10D	1	Hallway	Textured surfacing on cinderblock	Multi	NAD

Table A
Asbestos Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample No.	Floor	Room	Material Description	Color	Result
10E	2	Hallway	Textured surfacing on cinderblock	Multi	NAD
10F	3	Hallway	Textured surfacing on cinderblock	Multi	NAD
10G	4	Hallway	Textured surfacing on cinderblock	Multi	NAD
11A	1	Hallway	9"x9" Maroon floor tile	Maroon	3% Chrysotile
11B	2	Canteen	9"x9" Maroon floor tile	Maroon	Stop positive
11C	1	117	9"x9" Maroon floor tile	Maroon	Stop positive
12A	1	Hallway	9"x9" Maroon floor tile mastic	Black	10% Chrysotile
12B	2	Canteen	9"x9" Maroon floor tile mastic	Black	Stop positive
12C	1	117	9"x9" Maroon floor tile mastic	Black	Stop positive
13A	1	117	9"x9" White floor tile	White	5% Chrysotile
13B	1	113B	9"x9" White floor tile	White	Stop positive
13C	2	Hallway	9"x9" White floor tile	White	Stop positive
14A	1	117	9"x9" White floor tile mastic	Black	5% Chrysotile
14B	1	113B	9"x9" White floor tile mastic	Black	Stop positive
14C	2	Hallway	9"x9" White floor tile mastic	Black	Stop positive
15A	1	Hallway	9"x9" Off-white floor tile	Off-white	5% Chrysotile
15B	1	118A	9"x9" Off-white floor tile	Off-white	Stop positive
15C	2	Canteen	9"x9" Off-white floor tile	Off-white	Stop positive
16A	1	Hallway	9"x9" Off-white floor tile mastic	Off-white	10% Chrysotile
16B	1	118A	9"x9" Off-white floor tile mastic	Off-white	Stop positive
16C	2	Canteen	9"x9" Off-white floor tile mastic	Off-white	Stop positive
17A	1	118A	12"x12" White floor tile	White	NAD
17B	1	115B	12"x12" White floor tile	White	NAD
17C	2	Canteen	12"x12" White floor tile	White	NAD
18A	1	118A	12"x12" White floor tile mastic	Black	5% Chrysotile
18B	1	115B	12"x12" White floor tile mastic	Black	Stop positive
18C	2	Canteen	12"x12" White floor tile mastic	Black	Stop positive
19A	1	118A	9"x9" Green floor tile, type I	Green	2% Chrysotile
19B	1	113B	9"x9" Green floor tile, type I	Green	Stop positive
19C	3	Hallway	9"x9" Green floor tile, type I	Green	Stop positive
20A	1	118A	9"x9" Green floor tile mastic, type I	Black	3% Chrysotile
20B	1	113B	9"x9" Green floor tile mastic, type I	Black	Stop positive

Table A
Asbestos Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample No.	Floor	Room	Material Description	Color	Result
20C	3	Hallway	9"x9" Green floor tile mastic, type I	Black	Stop positive
21A	1	118A	9"x9" Green floor tile, type II	Green	NAD
21B	1	114	9"x9" Green floor tile, type II	Green	3% Chrysotile
21C	1	114	9"x9" Green floor tile, type II	Green	Stop positive
22A	1	118A	9"x9" Green floor tile mastic, type II	Black	NAD
22B	1	114	9"x9" Green floor tile mastic, type II	Black	5% Chrysotile
22C	1	114	9"x9" Green floor tile mastic, type II	Black	Stop positive
23A	1	115A	12"x12" Light blue floor tile	Light blue	NAD
23B	1	Foyer	12"x12" Light blue floor tile	Light blue	NAD
23C	1	Foyer	12"x12" Light blue floor tile	Light blue	NAD
24A	1	115A	12"x12" Light blue floor tile mastic	Black	5% Chrysotile
24B	1	Foyer	12"x12" Light blue floor tile mastic	Black	Stop positive
24C	1	Foyer	12"x12" Light blue floor tile mastic	Black	Stop positive
25A	1	118A	9"x9" Grey floor tile	Grey	Trace
25B	1	117	9"x9" Grey floor tile	Grey	Trace
25C	1	118B	9"x9" Grey floor tile	Grey	Trace
26A	1	118A	9"x9" Grey floor tile mastic	Black	2% Chrysotile
26B	1	117	9"x9" Grey floor tile mastic	Black	Stop positive
26C	1	118B	9"x9" Grey floor tile mastic	Black	Stop positive
27A	1	114B	9"x9" Dark blue floor tile	Dark blue	3% Chrysotile
27B	1	118B	9"x9" Dark blue floor tile	Dark blue	Stop positive
27C	2	Hallway	9"x9" Dark blue floor tile	Dark blue	Stop positive
28A	1	114B	9"x9" Dark blue floor tile mastic	Black	5% Chrysotile
28B	1	118B	9"x9" Dark blue floor tile mastic	Black	Stop positive
28C	2	Hallway	9"x9" Dark blue floor tile mastic	Black	Stop positive
29A	1	105	Carpet mastic	Yellow	NAD
29B	1	106	Carpet mastic	Yellow	NAD
29C	2	207B	Carpet mastic	Yellow	NAD
30A	1	115	2'x4' Ceiling tile	White	NAD
30B	2	Jan closet	2'x4' Ceiling tile	White	NAD
30C	4	Jan closet	2'x4' Ceiling tile	White	NAD
31A	1	115	Laboratory counter top	Black	NAD

Table A
Asbestos Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample No.	Floor	Room	Material Description	Color	Result
31B	1	110A	Laboratory counter top	Black	NAD
31C	1	113B	Laboratory counter top	Black	NAD
32A	1	114	Door panel	Grey	20% Chrysotile
32B	1	114	Door panel	Grey	Stop positive
32C	1	114	Door panel	Grey	Stop positive
33A	1	113B	2'x2' Ceiling tile	White	NAD
33B	2	207B	2'x2' Ceiling tile	White	NAD
33C	4	Hallway	2'x2' Ceiling tile	White	NAD
34A	1	113B	Window glazing	White	2% Chrysotile
34B	1	107	Window glazing	White	Stop positive
34C	2	207B	Window glazing	White	Stop positive
35A	1	Foyer	Plaster skimcoat	White	NAD
35B	1	Foyer	Plaster skimcoat	White	NAD
35C	1	Foyer	Plaster skimcoat	White	NAD
36A	1	Foyer	Dry wall	Grey	NAD
36B	1	Foyer	Dry wall	Grey	NAD
36C	4	Hallway	Dry wall	Grey	NAD
37A	1	Foyer	Joint compound	White	NAD
37B	1	Foyer	Joint compound	White	NAD
37C	4	Hallway	Joint compound	White	NAD
38A	1	West stairwell	Brown glue daubs on 1'x1' ceiling tile	Brown	Trace* RACM
38B	1	East stairwell	Brown glue daubs on 1'x1' ceiling tile	Brown	Trace* RACM
38C	3	East stairwell	Brown glue daubs on 1'x1' ceiling tile	Brown	Trace* RACM
39A	3	East stairwell	Window glaze gasket	Grey	3% Chrysotile
39B	1	Foyer	Window glaze gasket	Grey	Stop positive
39C	1	West stairwell	Window glaze gasket	Grey	Stop positive
40A	3	Hallway	9"x9" White with green streaks floor tile	White with green streaks	3% Chrysotile
40B	3	Hallway	9"x9" White with green streaks floor tile	White with green streaks	Stop positive
40C	3	Hallway	9"x9" White with green streaks floor tile	White with green streaks	Stop positive
41A	3	Hallway	9"x9" White with green streaks floor tile mastic	Black	5% Chrysotile

Table A
Asbestos Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample No.	Floor	Room	Material Description	Color	Result
41B	3	Hallway	9"x9" White with green streaks floor tile mastic	Black	Stop positive
41C	3	Hallway	9"x9" White with green streaks floor tile mastic	Black	Stop positive
42A	1	West stairwell	1'x1' Ceiling tile, type I	White	NAD
42B	1	East stairwell	1'x1' Ceiling tile, type I	White	NAD
42C	3	East stairwell	1'x1' Ceiling tile, type I	White	NAD
43A	3	East stairwell	Caulk between walls and doorway	Grey	5% Chrysotile
43B	2	East stairwell	Caulk between walls and doorway	Grey	Stop positive
43C	1	East stairwell	Caulk between walls and doorway	Grey	Stop positive
44A	N/A	Basement	Adhesive on metal bracket	Brown	NAD
44B	N/A	Basement	Adhesive on metal bracket	Brown	NAD
45A	N/A	Basement	Thermal System Insulation, >6" dia. pipe	Grey	10% Chrysotile 40% Amosite
45B	N/A	Basement	Thermal System Insulation, >6" dia. pipe	Grey	Stop positive
45C	N/A	Basement	Thermal System Insulation, >6" dia. pipe	Grey	Stop positive
46A	N/A	Basement	Thermal System Insulation, <6" dia. pipe	Grey	20% Chrysotile 40% Amosite
46B	N/A	Basement	Thermal System Insulation, <6" dia. pipe	Grey	Stop positive
46C	N/A	Basement	Thermal System Insulation, <6" dia. pipe	Grey	Stop positive
47A	N/A	Basement	Cloth wrap on air handler	Tan	NAD
47B	N/A	Basement	Cloth wrap on air handler	Tan	NAD
47C	N/A	Basement	Cloth wrap on air handler	Tan	NAD
48A	N/A	Basement	Pipe fitting cement, >6" dia. pipe	Grey	3% Chrysotile
48B	N/A	Basement	Pipe fitting cement, >6" dia. pipe	Grey	Stop positive
48C	N/A	Basement	Pipe fitting cement, >6" dia. pipe	Grey	Stop positive
49A	N/A	Basement	Pipe fitting cement, <6" dia. pipe	Grey	5% Chrysotile
49B	N/A	Basement	Pipe fitting cement, <6" dia. pipe	Grey	Stop positive
49C	N/A	Basement	Pipe fitting cement, <6" dia. pipe	Grey	Stop positive
50A	N/A	Exterior	Grey caulk	Grey	NAD
50B	N/A	Exterior	Grey caulk	Grey	NAD
50C	N/A	Exterior	Grey caulk	Grey	NAD
51A	1	Foyer	1'x1' ceiling tiles, type II	White	NAD

Table A
Asbestos Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample No.	Floor	Room	Material Description	Color	Result
51B	1	Foyer	1'x1' ceiling tiles, type II	White	NAD
51C	1	Foyer	1'x1' ceiling tiles, type II	White	NAD
52A	1	Foyer	1'x1' ceiling tiles, type II adhesive	Tan	NAD
52B	1	Foyer	1'x1' ceiling tiles, type II adhesive	Tan	NAD
52C	1	Foyer	1'x1' ceiling tiles, type II adhesive	Tan	Not submitted
53A	N/A	Basement	Black pipe wrap	Black	40% Chrysotile
53B	N/A	Basement	Black pipe wrap	Black	Stop positive
53C	N/A	Basement	Black pipe wrap	Black	Stop positive
54A	N/A	Basement	Vibration dampening cloth	Black	NAD
54B	N/A	Basement	Vibration dampening cloth	Black	NAD
54C	N/A	Basement	Vibration dampening cloth	Black	NAD
55A	N/A	Basement	Electrical mounting board	Black	30% Chrysotile
55B	N/A	Basement	Electrical mounting board	Black	Stop positive
55C	N/A	Basement	Electrical mounting board	Black	Stop positive
56A	2	Canteen	Black flexible hose duct	Black	NAD
56B	1	Foyer	Black flexible hose duct	Black	NAD
56C	1	Morgue Hallway	Black flexible hose duct	Black	NAD
57A	2	216A	Terrazzo floor	Multi	NAD
57B	4	Supply closet	Terrazzo floor	Multi	NAD
57C	4	406	Terrazzo floor	Multi	NAD
58A	1	Foyer	Black felt on anemostat	Black	NAD
58B	1	Foyer	Black felt on anemostat	Black	NAD
58C	1	Foyer	Black felt on anemostat	Black	NAD
59A	Northwest corner	Exterior	Black flashing cement	Black	30% Chrysotile
59B	Southeast corner	Exterior	Black flashing cement	Black	Stop positive
59C	Southeast corner	Exterior	Black flashing cement	Black	Stop positive

Notes:

NAD – No asbestos detected

** Trace – asbestos detected at less than 1%. Historical ACM results from 2006 indicated these materials contained 2.0-2.5% chrysotile. As such, handle these materials as RACM.*

Stop positive – The first homogenous sample in this group was positive; subsequent samples were not analyzed.

Table B
XRF Lead-Based Paint Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
1	-	-	-	-	Calibration Check	-	-	1.0
2	-	-	-	-	Calibration Check	-	-	1.0
3	-	-	-	-	Calibration Check	-	-	1.0
4	1	North	115A	White	Wall	Glazed CMU	Intact	0.0
5	1	East	115A	White	Wall	Glazed CMU	Intact	0.0
6	1	South	115A	White	Wall	Glazed CMU	Intact	0.0
7	1	West	115A	White	Wall	Glazed CMU	Intact	0.1
8	1	West	115A	(mastic)	Floor	Concrete	Intact	-0.2
9	1	West	115A	Black	Cove Base	Vinyl	Intact	0.3
10	1	South	115A	Gray	Radiator	Metal	Intact	0.0
11	1	South	115A	Gray	Door	Metal	Poor	0.2
12	1	South	115A	Gray	Door	Metal	Poor	0.1
13	1	South	115A	Red	I-Beam	Metal	Poor	0.1
14	1	South	115A	Gray	Cabinet	Metal	Poor	-0.1
15	1	South	115A	Black	Cabinet	Vinyl	Intact	-0.2
16	1	South	115A	N/A	Window	Vinyl	Intact	-0.2
17	1	North	115A	Gray	Vent	Metal	Intact	0.0
18	1	West	115A	N/A	Bulletin Board	N/A	Intact	0.0
19	1	North	115A	White	Light Fixture	Metal	Intact	-0.1
20	1	North	117	Yellow	Wall	CMU Block	Intact	-0.1
21	1	East	117	Yellow	Wall	CMU Block	Intact	-0.2
22	1	South	117	Yellow	Wall	CMU Block	Intact	-0.1
23	1	West	117	Yellow	Wall	CMU Block	Intact	-0.2
24	1	West	117	Black	Cove Base	Vinyl	Intact	-0.2
25	1	West	117	White	Bulletin Board	N/A	Intact	0.1
26	1	West	117	Blue	Bulletin Board	N/A	Intact	0.0
27	1	West	117	Blue	Bulletin Board	N/A	Intact	0.0
28	1	North	117	Yellow	Radiator	Metal	Poor	-0.2

Table B
XRF Lead-Based Paint Inspection Results
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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm²
29	1	South	117	Gray	Door	Metal	Poor	-0.3
30	1	South	117	Gray	Door	Metal	Poor	0.0
31	1	South	117	Yellow	Light Fixture	Metal	Intact	0.0
32	1	South	117	White	Vent	Metal	Poor	0.3
33	1	South	117	(mastic)	Floor	Concrete	Intact	-0.2
34	1	North	118A	Yellow	Wall	CMU Block	Intact	-0.2
35	1	East	118A	Yellow	Wall	CMU Block	Intact	0.0
36	1	South	118A	Yellow	Wall	CMU Block	Intact	0.2
37	1	West	118A	Yellow	Wall	CMU Block	Intact	-0.1
38	1	North	118A	Yellow	Radiator	Metal	Poor	-0.2
39	1	North	118A	Black	Cove Base	Vinyl	Intact	0.2
40	1	North	118A	Tan	Floor	Vinyl	Intact	-0.2
41	1	West	118A	Gray	Shelf	Wood	Intact	0.0
42	1	West	118A	Gray	Shelf	Wood	Intact	0.1
43	1	South	118A	Gray	Door	Metal	Poor	0.1
44	1	South	118A	Gray	Door	Metal	Poor	0.1
45	1	West	118A	Tan	Conduit	Metal	Intact	0.4
46	1	South	118A	Gray	Bulletin Board	N/A	Intact	-0.1
47	1	South	118A	White	Vent	Metal	Poor	0.1
48	1	North	114B	White	Wall	CMU Block	Intact	-0.3
49	1	East	114B	White	Wall	CMU Block	Intact	0.1
50	1	South	114B	White	Wall	CMU Block	Intact	-0.1
51	1	West	114B	White	Wall	CMU Block	Intact	-0.1
52	1	East	114B	Black	Cove Base	Vinyl	Intact	0.2
53	1	East	114B	Tan	Floor	Vinyl	Intact	-0.4
54	1	South	114B	Green	Radiator	Metal	Intact	-0.1
55	1	North	114B	Gray	Door	Metal	Poor	-0.2
56	1	North	114B	Gray	Door	Metal	Poor	0.0
57	1	East	114B	White	Bulletin Board	N/A	Poor	-0.1
58	1	East	114B	Gray	Bulletin Board	Wood	Intact	0.0
59	1	South	114C	White	Wall	CMU Block	Intact	-0.1

Table B
XRF Lead-Based Paint Inspection Results
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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
60	1	West	114C	White	Wall	CMU Block	Intact	0.0
61	1	North	114C	White	Wall	CMU Block	Intact	-0.1
62	1	East	114C	White	Wall	CMU Block	Intact	0.0
63	1	South	114C	Green	Radiator	Metal	Intact	-0.1
64	1	East	114C	Gray	Shelf	Wood	Intact	0.2
65	1	East	114C	Gray	Shelf support	Wood	Intact	-0.1
66	1	East	114C	Gray	Cabinet	Metal	Poor	-0.1
67	1	East	114C	White	Floor	Vinyl	Intact	-0.3
68	1	West	114C	Gray	Door casing	Metal	Poor	-0.1
69	1	South	114A	White	Wall	Sheetrock	Intact	-0.5
70	1	West	114A	White	Wall	CMU Block	Intact	-0.2
71	1	North	114A	White	Wall	CMU Block	Intact	-0.1
72	1	North	114A	Black	Floor	Vinyl	Intact	-0.2
73	1	North	119	White	Wall	CMU Block	Intact	-0.1
74	1	East	119	White	Wall	CMU Block	Intact	-0.2
75	1	South	119	White	Wall	CMU Block	Intact	0.0
76	1	West	119	White	Wall	CMU Block	Intact	0.3
77	1	West	119	Tan	Floor	Terrazzo	Intact	-0.3
78	1	South	119	White	Sink	Porcelain	Intact	0.0
79	1	West	119	Tan	Stall door	Metal	Intact	0.2
80	1	North	119	Pink	Radiator	Metal	Poor	-0.1
81	1	South	119	Tan	Door	Metal	Poor	0.0
82	1	South	119	Tan	Door Casing	Metal	Poor	0.0
83	1	North	122	White	Wall	CMU Block	Intact	-0.2
84	1	East	122	Tan	Wall	CMU Block	Intact	-0.2
85	1	South	122	White	Wall	CMU Block	Intact	-0.2
86	1	East	122	White	Wall	CMU Block	Intact	0.0

Table B
XRF Lead-Based Paint Inspection Results
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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
87	1	South	122	White	Wall	CMU Block	Intact	0.3
88	1	West	122	White	Wall	CMU Block	Intact	0.0
89	1	North	122	White	Sink	Porcelain	Intact	0.0
90	1	North	122	(mastic)	Floor	Concrete	Intact	0.0
91	1	West	122	Brown	Floor	Vinyl	Intact	0.0
92	1	West	122	Tan	Shelf	Wood	Intact	-0.1
93	1	West	122	Tan	Shelf Support	Wood	Intact	0.0
94	1	West	122	Gray	Door	Metal	Poor	-0.1
95	1	West	122	Gray	Door	Metal	Poor	-0.1
96	1	North	113B	White	Wall	CMU Block	Intact	-0.2
97	1	East	113B	White	Wall	CMU Block	Intact	-0.1
98	1	South	113B	White	Wall	CMU Block	Intact	0.2
99	1	West	113B	White	Wall	CMU Block	Intact	-0.3
100	1	West	113B	(mastic)	Floor	Concrete	Intact	-0.3
101	1	West	113B	Black	Cove base	Vinyl	Intact	-0.1
102	1	South	113B	Gray	Cabinet Door	Metal	Intact	0.0
103	1	South	113B	Green	Radiator	Metal	Intact	-0.1
104	1	North	113B	White	vent	Metal	Poor	0.2
105	1	North	113B	Gray	Door	Metal	Poor	-0.1
106	1	North	113B	Gray	Door Casing	Metal	Poor	-0.1
107	1	North	104	White	Wall	CMU Block	Intact	-0.3
108	1	East	104	White	Wall	CMU Block	Intact	-0.2
109	1	South	104	White	Wall	CMU Block	Intact	-0.3
110	1	West	104	White	Wall	CMU Block	Intact	0.0
111	1	North	104	Green	Radiator	Metal	Poor	0.0
112	1	East	104	Gray	Stall door	Metal	Intact	0.1
113	1	East	104	White	Sink	Porcelain	Intact	0.0
114	1	South	104	Gray	Door	Metal	Intact	-0.3

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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
115	1	South	104	Gray	Door Casing	Metal	Intact	-0.1
116	1	North	112	White	Wall	CMU Block	Intact	-0.3
117	1	East	112	White	Wall	CMU Block	Intact	-0.2
118	1	South	112	White	Wall	CMU Block	Intact	0.0
119	1	West	112	White	Wall	CMU Block	Intact	-0.2
120	1	West	112	White	Floor	Vinyl	Intact	-0.2
121	1	West	112	Black	Cove base	Vinyl	Intact	-0.2
122	1	North	112	Brown	Shelf	Wood	Intact	0.0
123	1	North	112	Gray	Door	Metal	Poor	-0.1
124	1	North	112	Gray	Door Casing	Metal	Poor	-0.1
125	1	North	105	Yellow	Wall	CMU Block	Intact	-0.2
126	1	East	105	Yellow	Wall	CMU Block	Intact	0.4
127	1	South	105	Yellow	Wall	CMU Block	Intact	0.1
128	1	West	105	Yellow	Wall	CMU Block	Intact	0.3
129	1	North	105	Black	Cove base	Vinyl	Intact	-0.3
130	1	North	105	Tan	Floor	Carpet	Intact	-0.2
131	1	North	105	Yellow	Radiator	Metal	Intact	0.3
132	1	South	105	Gray	Bulletin board	Wood	Intact	0.0
133	1	South	105	Black	Bulletin board	N/A	Intact	-0.2
134	1	South	105	Gray	Door	Metal	Intact	-0.2
135	1	South	105	Gray	Door Casing	Metal	Poor	0.2
136	1	North	106	Yellow	Wall	CMU Block	Intact	-0.1
137	1	East	106	Yellow	Wall	CMU Block	Intact	-0.1
138	1	South	106	Yellow	Wall	CMU Block	Intact	0.0
139	1	West	106	Yellow	Wall	CMU Block	Intact	0.2
140	1	West	106	Black	Cove base	Vinyl	Intact	-0.3
141	1	West	106	Yellow	Radiator	Metal	Intact	-0.2

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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm²
142	1	South	106	Gray	Door	Metal	Intact	-0.2
143	1	South	106	Gray	Door	Metal	Poor	-0.2
144	1	South	106	Gray	Door	Metal	Poor	5.0
145	-	-	-	-	Calibration Check	-	-	1.0
146	-	-	-	-	Calibration Check	-	-	1.0
147	-	-	-	-	Calibration Check	-	-	1.0
148	1	North	107	Yellow	Wall	CMU Block	Intact	-0.2
149	1	East	107	Yellow	Wall	CMU Block	Intact	-0.1
150	1	South	107	Yellow	Wall	CMU Block	Intact	0.0
151	1	WEST	107	Yellow	Wall	CMU Block	Intact	0.0
152	1	WEST	107	Black	Cove base	Vinyl	Intact	0.3
153	1	North	107	Yellow	Radiator	Metal	Intact	-0.1
154	1	South	107	Gray	Door	Metal	Poor	-0.3
155	1	South	107	Gray	Door	Metal	Poor	0.1
156	1	South	107	White	Vent	Metal	Poor	0.3
157	1	North	110A	White	Wall	CMU Block	Intact	0.0
158	1	East	110A	White	Wall	CMU Block	Intact	0.0
159	1	South	110A	White	Wall	CMU Block	Intact	0.2
160	1	West	110A	White	Wall	CMU Block	Intact	-0.2
161	1	South	110A	Gray	Door	Metal	Intact	-0.1
162	1	South	110A	Gray	Door	Metal	Intact	-0.1
163	1	East	110A	White	Door	Metal	Poor	-0.2
164	1	East	110A	White	Door	Metal	Poor	0.1
165	1	South	110A	Gray	Cabinet	Metal	Poor	3.8
166	1	North	110A Morgue	White	Wall	CMU Block	Intact	-0.3
167	1	East	110A Morgue	White	Wall	CMU Block	Intact	-0.2
168	1	South	110A Morgue	White	Wall	CMU Block	Intact	-0.2

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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
169	1	West	110A Morgue	White	Wall	CMU Block	Intact	-0.1
170	1	West	110A morgue	Gray	Freezer Door	Metal	Poor	-0.3
171	1	East	110A Morgue	Tan	Door	Metal	Intact	-0.2
172	1	East	110A Morgue	Tan	Door	Metal	Intact	-0.1
173	1	North	109A	Blue	Wall	CMU Block	Intact	-0.2
174	1	East	109A	Blue	Wall	CMU Block	Intact	-0.4
175	1	South	109A	Blue	Wall	CMU Block	Intact	0.2
176	1	West	109A	Blue	Wall	CMU Block	Intact	0.1
177	1	South	109A	Gray	Radiator	Metal	Poor	-0.1
178	1	West	109A	Gray	Door	Metal	Poor	-0.1
179	1	West	109A	Gray	Door	Metal	Poor	-0.1
180	1	North	111	White	Wall	CMU Block	Intact	-0.1
181	1	East	111	White	Wall	CMU Block	Intact	-0.2
182	1	South	111	White	Wall	CMU Block	Intact	0.2
183	1	West	111	White	Wall	CMU Block	Intact	-0.1
184	1	West	111	Green	Stall Door	Metal	Intact	0.0
185	1	South	111	Green	Radiator	Metal	Poor	-0.2
186	1	South	111	Gray	Door	Metal	Poor	-0.2
187	1	South	111	Gray	Door	Metal	Poor	-0.1
188	1	North	1sr fl Hall	White	Wall	CMU Block	Intact	-0.2
189	1	South	1sr fl Hall	White	Wall	CMU Block	Intact	-0.1
190	1	South	1sr fl Hall	White	Ceiling	Metal	Poor	-0.3
191	1	South	1sr fl Hall	Black	Cove base	Vinyl	Intact	0.0
192	1	South	1sr fl Hall	White	Floor	Vinyl	Intact	-0.3
193	1	North	1sr fl Hall	Gray	Electric Box	Metal	Poor	-0.1
194	1	North	1sr fl Hall	White	FE Holder	Wood	Intact	0.0
195	1	North	1sr fl Hall	White	Fire Hose Bib	Metal	Poor	0.0

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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
196	1	North	Entry lobby	Tan	Wall	Concrete	Intact	-0.1
197	1	East	Entry lobby	Tan	Wall	Concrete	Intact	-0.3
198	1	South	Entry lobby	Tan	Wall	Concrete	Intact	-0.3
199	1	West	Entry lobby	Tan	Wall	Concrete	Intact	0.0
200	1	West	Entry lobby	White	Floor	Vinyl	Intact	-0.1
201	1	North	Entry lobby	Gray	Radiator	Metal	Intact	-0.1
202	1	North	Entry lobby	Black	Cove base	Vinyl	Intact	-0.2
203	1	East	Entry lobby	Gray	Door	Metal	Intact	-0.1
204	1	East	Entry lobby	Gray	Door	Metal	Intact	0.0
205	1	South	Entry lobby	Green	Elevator Door	Metal	Poor	-0.2
206	1	South	Entry lobby	Green	Elevator Door Casing	Metal	Poor	-0.1
207	1	South	Entry lobby	White	Soffit	Sheetrock	Poor	-0.2
208	1	South	Entry lobby	White	I-Beam	Metal	Poor	0.3
209	2	North	214	Blue	Wall	CMU Block	Intact	-0.2
210	2	East	214	Blue	Wall	CMU Block	Intact	0.1
211	2	South	214	Blue	Wall	CMU Block	Intact	-0.3
212	2	West	214	Blue	Wall	CMU Block	Intact	-0.1
213	2	West	214	White	Floor	Vinyl	Intact	-0.3
214	2	West	214	Black	Cove base	Vinyl	Intact	0.4
215	2	South	214	Blue	Radiator	Metal	Poor	-0.1
216	2	North	214	White	Sink	Porcelain	Intact	0.0
217	2	North	214	Gray	Door	Metal	Intact	-0.2
218	2	North	214	Gray	Door	Metal	Poor	-0.2
219	2	North	214	White	I-Beam	Metal	Intact	-0.1
220	2	North	216A	White	Wall	CMU Block	Intact	-0.2

Table B
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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
221	2	East	216A	White	Wall	CMU Block	Intact	-0.2
222	2	South	216A	White	Wall	CMU Block	Intact	-0.1
223	2	West	216A	White	Wall	CMU Block	Intact	-0.1
224	2	West	216A	Tan	Floor	Terrazzo	Intact	-0.2
225	2	North	216A	Gray	Cabinet	Metal	Poor	2.5
226	2	North	217A	Tan	Wall	CMU Block	Intact	-0.1
227	2	South	217A	Tan	Wall	CMU Block	Intact	0.1
228	2	South	217A	Tan	Wall	CMU Block	Intact	0.0
229	2	West	217A	Tan	Wall	CMU Block	Intact	0.3
230	2	West	217A	White	Floor	Vinyl	Intact	-0.4
231	2	West	217A	Black	Cove base	Vinyl	Intact	0.1
232	2	South	217A	White	Vent	Metal	Poor	0.0
233	2	North	217A	Tan	Radiator	Metal	Intact	-0.1
234	2	North	217C	Tan	Wall	CMU Block	Intact	0.0
235	2	East	217C	Tan	Wall	CMU Block	Intact	0.1
236	2	South	217C	Tan	Wall	CMU Block	Intact	-0.1
237	2	West	217C	Tan	Wall	CMU Block	Intact	0.0
238	2	West	217C	Red	Floor	Vinyl	Intact	-0.1
239	2	East	217C	Black	Cove base	Vinyl	Intact	0.4
240	2	North	217C	Tan	Radiator	Metal	Intact	-0.1
241	2	North	218	White	Wall	CMU Block	Intact	-0.4
242	2	East	218	White	Wall	CMU Block	Intact	0.0
243	2	South	218	White	Wall	CMU Block	Intact	0.1
244	2	West	218	White	Wall	CMU Block	Intact	-0.1
245	2	North	218	Brown	Radiator	Metal	Poor	-0.1
246	2	West	218	White	Sink	Porcelain	Intact	-0.6
247	2	East	218	Brown	Stall	Porcelain	Poor	-0.1

Table B
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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm²
248	2	North	218	Tan	Wall	Ceramic	Intact	0.1
249	2	North	Kitchen	White	Wall	CMU Block	Intact	-0.2
250	2	East	Kitchen	White	Wall	CMU Block	Intact	-0.2
251	2	South	Kitchen	White	Wall	CMU Block	Intact	-0.2
252	2	West	Kitchen	White	Wall	CMU Block	Intact	-0.2
253	2	West	Kitchen	Blue	Floor	Vinyl	Intact	0.2
254	2	West	Kitchen	Black	Cove base	Vinyl	Intact	0.0
255	2	South	Kitchen	White	Radiator	Metal	Poor	-0.3
256	2	North	Kitchen	Blue	Door	Metal	Poor	-0.2
257	2	North	Kitchen	Blue	Door	Metal	Poor	0.2
258	2	North	Cafeteria	White	Wall	CMU Block	Intact	-0.1
259	2	North	Cafeteria	White	Window Lintel	Metal	Poor	1.0
260	2	North	Cafeteria	Brown	Cove Base	Vinyl	Intact	3.6
261	2	North	Cafeteria	Tan	Floor	Vinyl	Intact	-0.3
262	2	East	Cafeteria	White	Wall	CMU block	Intact	-0.2
263	2	South	Cafeteria	White	Wall	CMU block	Intact	-0.3
264	2	South	Cafeteria	White	Radiator	Metal	Poor	0.0
265	2	South	Cafeteria	White	Wall	CMU block	Poor	-0.3
266	2	North	Cafeteria	White	Door Casing	Metal	Poor	-0.1
267	2	North	Cafeteria	White	Door Casing	Metal	Poor	0.2
268	2	North	207	White	Wall	CMU block	Intact	-0.2
269	2	East	207	White	Wall	CMU block	Intact	0.0
270	2	South	207	White	Wall	CMU block	Intact	-0.1
271	2	West	207	White	Wall	CMU block	Intact	0.0
272	2	North	207	White	Radiator	Metal	Poor	-0.1
273	2	North	207	Black	Cove base	Vinyl	Intact	-0.3
274	2	South	207	White	Door Casing	Metal	Poor	-0.1

Table B
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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm²
275	2	South	207	White	Door	Metal	Poor	-0.1
276	2	North	206	White	Wall	CMU block	Intact	-0.2
277	2	East	206	White	Wall	CMU block	Intact	-0.7
278	2	South	206	White	Wall	CMU block	Intact	-0.1
279	2	West	206	White	Wall	CMU block	Intact	-0.1
280	2	North	206	Brown	Radiator	Metal	Poor	-0.1
281	2	West	206	White	Wall	Ceramic	Intact	-0.6
282	2	West	206	Blue	Wall	Ceramic	Intact	-0.3
283	2	East	206	Green	Wall	Ceramic	Intact	-0.6
284	2	East	206	White	Sink	Porcelain	Intact	-0.7
285	2	West	206	White	Toilet	Porcelain	Intact	-0.8
286	2	West	206	Brown	Stall	Metal	Poor	0.0
287	2	North	Center area	Yellow	Wall	CMU block	Intact	0.0
288	2	East	Center area	Yellow	Wall	CMU block	Intact	-0.2
289	2	South	Center area	Yellow	Wall	CMU block	Intact	0.0
290	2	West	Center area	Yellow	Wall	CMU block	Intact	-0.2
291	2	North	Center area	Yellow	Radiator	Metal	Intact	-0.1
292	2	North	Center area	White	Floor	Vinyl	Intact	-0.1
293	2	North	Center area	Black	Cove base	Vinyl	Intact	-0.3
294	2	North	202	White	Sink	Porcelain	Intact	0.0
295	2	North	202	Yellow	Wall	CMU block	Intact	-0.1
296	2	East	202	Yellow	Wall	CMU block	Intact	-0.2
297	2	West	202	Yellow	Wall	CMU block	Intact	0.4
298	2	East	202	Black	Cove base	Vinyl	Intact	1.0
299	2	South	202	Blue	Door	Metal	Poor	0.0
300	2	South	202	Blue	Door Casing	Metal	Poor	-0.1
301	2	North	202	White	Wall	CMU block	Intact	-0.3
302	2	North	202	Gray	Elec Box	Metal	Poor	-0.2

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Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
303	2	South	202	White	Wall	CMU block	Intact	0.0
304	2	South	202	Brown	Cove base	Vinyl	Intact	0.6
305	2	South	202	White	Floor	Vinyl	Intact	-0.2
306	2	South	202	White	Ceiling	Fixed tile	Poor	-0.2
307	2	North	202	Gray	Elevator door	Metal	Poor	1.0
308	2	North	202	Gray	Elevator door Casing	Metal	Poor	-0.2
309	2	North	202	White	Fire Hose Box Inside	Metal	Poor	-0.2
310	3	North	313	White	Wall	CMU	Intact	0.1
311	3	East	313	White	Wall	CMU	Intact	-0.3
312	3	South	313	White	Wall	CMU	Intact	0.0
313	3	West	313	White	Wall	CMU	Intact	-0.3
314	3	North	313	Black	Cove base	Vinyl	Intact	-0.1
315	3	North	313	Gray	Radiator	Metal	Intact	-0.1
316	3	South	313	Gray	Door	Metal	Intact	-0.1
317	3	South	313	Gray	Door Casing	Metal	Intact	0.0
318	3	North	311	Gray	Wall	CMU	Intact	-0.2
319	3	East	311	Gray	Wall	CMU	Intact	-0.1
320	3	South	311	Gray	Wall	CMU	Intact	0.2
321	3	West	311	Gray	Wall	CMU	Intact	-0.2
322	3	East	311	Black	Cove base	Vinyl	Intact	-0.1
323	3	South	311	Gray	Radiator	Steel	Intact	-0.1
324	3	South	311	Gray	Radiator	Steel	Intact	-0.1
325	3	North	311	Gray	Door Header	Steel	Intact	-0.2
326	3	North	311	Gray	Door Casing	Steel	Intact	0.0
327	3	North	319B	White	Wall	CMU	Intact	0.0
328	3	East	319B	White	Wall	CMU	Intact	0.2
329	3	South	319B	White	Wall	CMU	Intact	0.0
330	3	West	319B	White	Wall	CMU	Intact	-0.1
331	3	West	319B	Black	Cove base	Vinyl	Intact	-0.2
332	3	South	319B	Gray	Radiator	Steel	Intact	-0.1

Table B
XRF Lead-Based Paint Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm²
333	3	North	319B	Gray	Door Header	Steel	Intact	-0.2
334	3	North	319B	Gray	Door Casing	Steel	Intact	-0.1
335	3	North	302	White	Wall	CMU	Intact	-0.1
336	3	East	302	White	Wall	CMU	Intact	-0.3
337	3	South	302	White	Wall	CMU	Intact	-0.3
338	3	West	302	White	Wall	CMU	Intact	0.0
339	3	North	302	Black	Cove base	Vinyl	Intact	-0.2
340	3	North	302	Gray	Radiator	Steel	Intact	-0.2
341	3	South	302	Gray	Door	Steel	Intact	-0.3
342	3	South	302	Gray	Door Casing	Steel	Intact	-0.2
343	3	North	303A	White	Wall	CMU	Intact	0.0
344	3	East	303A	White	Wall	CMU	Intact	-0.1
345	3	South	303A	White	Wall	CMU	Intact	-0.1
346	3	West	303A	White	Wall	Sheetrock	Intact	-0.1
347	3	North	303A	Black	Cove base	Vinyl	Intact	0.0
348	3	North	303A	Gray	Radiator	Steel	Intact	-0.1
349	3	South	303A	Gray	Door	Steel	Intact	-0.1
350	3	South	303A	Gray	Door Casing	Steel	Intact	1.0
351	3	North	303B	White	Wall	CMU	Intact	-0.2
352	3	East	303B	White	Wall	CMU	Intact	-0.1
353	3	South	303B	White	Wall	CMU	Intact	0.0
354	3	West	303B	White	Wall	CMU	Intact	-0.2
355	3	North	303B	Gray	Radiator	Steel	Intact	-0.1
356	3	North	303B	Black	Cove base	Vinyl	Intact	-0.1
357	3	South	303B	Gray	Door	Steel	Intact	-0.1
358	3	South	Men's Bath	Gray	Door Casing	Steel	Intact	-0.2
359	3	North	Men's Bath	Gray	Wall	CMU	Intact	0.0
360	3	East	Men's Bath	Gray	Wall	CMU	Intact	0.0
361	3	South	Men's Bath	Gray	Wall	CMU	Intact	0.0
362	3	West	Men's Bath	Gray	Wall	CMU	Intact	0.0
363	3	North	Men's Bath	Tan	Radiator	Steel	Intact	0.2
364	3	East	Men's Bath	Tan	Lockers	Vinyl	Intact	0.1

Table B
XRF Lead-Based Paint Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm²
365	3	South	Men's Bath	Tan	Door	Steel	Intact	-0.2
366	3	South	Men's Bath	Tan	Door Casing	Steel	Intact	0.0
367	3	North	306	White	Wall	CMU	Intact	0.0
368	3	East	306	White	Wall	CMU	Intact	-0.3
369	3	South	306	White	Wall	CMU	Intact	-0.1
370	3	West	306	White	Wall	CMU	Intact	-0.3
371	3	North	306	Gray	Radiator	Steel	Intact	-0.1
372	3	South	306	Black	Cove base	Vinyl	Intact	0.0
373	3	South	306	Gray	Door	Steel	Intact	-0.2
374	3	South	306	Gray	Door Casing	Steel	Intact	1.0
375	3	North	307	Tan	Wall	CMU	Intact	-0.2
376	3	East	307	Tan	Wall	CMU	Intact	0.0
377	3	South	307	Tan	Wall	CMU	Intact	-0.1
378	3	West	307	Tan	Wall	CMU	Intact	-0.1
379	3	South	307	Gray	Door	Steel	Intact	-0.1
380	3	South	307	Gray	Door Casing	Steel	Intact	0.1
381	3	North	317	Gray	Wall	Concrete	Intact	-0.1
382	3	East	317	Gray	Wall	Concrete	Intact	-0.1
383	3	South	317	Gray	Wall	Concrete	Intact	0.0
384	3	West	317	Gray	Wall	Concrete	Intact	-0.4
385	3	South	317	Gray	Radiator	Steel	Intact	-0.2
386	3	North	317	Gray	Door Casing	Steel	Intact	-0.2
387	3	South	317	Gray	Wall	Steel	Intact	-0.1
388	3	North	Women's Bath	Gray	Wall	Concrete	Intact	0.0
389	3	East	Women's Bath	Gray	Wall	Concrete	Intact	0.0
390	3	South	Women's Bath	Gray	Wall	Concrete	Intact	-0.2
391	3	West	Women's Bath	Gray	Wall	Concrete	Intact	0.0
392	3	East	Women's Bath	Gray	Stall	Steel	Intact	-0.1
393	3	South	Women's Bath	Gray	Door	Steel	Intact	-0.1

Table B
XRF Lead-Based Paint Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
394	3	South	Women's Bath	Gray	Door Casing	Steel	Intact	-0.1
395	3	North	311	Gray	Wall	Concrete	Intact	-0.1
396	3	East	311	Gray	Wall	Concrete	Intact	-0.1
397	3	South	311	Gray	Wall	Concrete	Intact	-0.2
398	3	West	311	Gray	Wall	Concrete	Intact	-0.2
399	3	West	311	Black	Cove base	Vinyl	Intact	-0.1
400	3	South	311	Gray	Door	Steel	Intact	-0.1
401	3	South	311	Gray	Door Casing	Steel	Intact	1.0
402	3	North	310	Gray	Wall	Concrete	Intact	0.0
403	3	East	310	Gray	Wall	Concrete	Intact	-0.1
404	3	South	310	Gray	Wall	Concrete	Intact	0.0
405	3	West	310	Gray	Wall	Concrete	Intact	-0.1
406	3	North	310	Gray	Door	Steel	Intact	-0.1
407	4	North	413	White	Wall	Concrete	Intact	-0.1
408	4	East	413	White	Wall	Concrete	Intact	-0.2
409	4	South	413	White	Wall	Concrete	Intact	-0.2
410	4	West	413	White	Wall	Concrete	Intact	-0.1
411	4	South	413	Gray	Door Casing	Steel	Intact	-0.1
412	4	South	413	Gray	Door	Steel	Intact	-0.2
413	4	North	417	Gray	Wall	CMU	Intact	-0.2
414	4	East	417	Gray	Wall	CMU	Intact	-0.1
415	4	East	417	Gray	Wall	CMU	Intact	0.1
416	4	South	417	Gray	Wall	CMU	Intact	0.0
417	4	West	417	Gray	Wall	CMU	Intact	0.2
418	4	South	417	Gray	Radiator	Steel	Intact	-0.3
419	4	North	417	Gray	Cabinet	Steel	Intact	-0.2
420	4	North	417	Gray	Door	Steel	Intact	-0.1
421	4	North	417	Gray	Door	Steel	Intact	-0.2
422	4	North	412	Gray	Wall	CMU	Intact	-0.3
423	4	East	412	Gray	Wall	CMU	Intact	-0.1
424	4	South	412	Gray	Wall	CMU	Intact	0.0
425	4	West	412	Gray	Wall	CMU	Intact	-0.5
426	4	West	412	Gray	Door	Steel	Intact	-0.3

Table B
XRF Lead-Based Paint Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm²
427	4	East	412	Green	Stalls	Steel	Intact	-0.1
428	4	East	412	White	Sink	Steel	Intact	0.0
429	4	West	412	Green	Lockers	Steel	Intact	-0.1
430	4	North	412	Green	Radiator	Steel	Intact	0.0
431	4	South	412	Gray	Door Casing	Steel	Intact	-0.1
432	4	North	420	Gray	Wall	CMU	Intact	-0.2
433	4	East	420	Gray	Wall	CMU	Intact	-0.2
434	4	South	420	Gray	Wall	CMU	Intact	-0.1
435	4	West	420	Gray	Wall	CMU	Intact	0.0
436	4	South	420	Gray	Radiator	Metal	Intact	-0.2
437	4	North	420	Gray	Door	Metal	Intact	-0.2
438	4	North	420	Gray	Door Casing	Metal	Intact	-0.1
439	4	North	421	White	Wall	CMU	Intact	0.0
440	4	East	421	White	Wall	CMU	Intact	0.0
441	4	South	421	White	Wall	CMU	Intact	-0.2
442	4	West	421	White	Wall	CMU	Intact	-0.2
443	4	West	421	White	Wall	CMU	Intact	0.0
444	4	South	421	White	Radiator	Steel	Intact	-0.2
445	4	North	421	White	Door	Steel	Intact	-0.2
446	4	North	421	White	Door Casing	Steel	Intact	-0.2
447	4	North	Men's Room	Gray	Wall	CMU	Intact	-0.2
448	4	East	Men's Room	Gray	Wall	CMU	Intact	-0.1
449	4	South	Men's Room	Gray	Wall	CMU	Intact	0.0
450	4	West	Men's Room	Gray	Wall	CMU	Intact	-0.2
451	4	East	Men's Room	Tan	Lockers	Steel	Intact	-0.2
452	4	North	Men's	Tan	Radiator	Steel	Intact	-0.2
453	4	South	Men's Room	Tan	Door Casing	Steel	Intact	-0.2
454	4	South	Men's Room	Tan	Door	Steel	Intact	-0.1
455	4	North	423	White	Wall	CMU	Intact	-0.1

Table B
XRF Lead-Based Paint Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
456	4	East	423	White	Wall	CMU	Intact	-0.2
457	4	South	423	White	Wall	CMU	Intact	-0.2
458	4	West	423	White	Wall	CMU	Intact	0.0
459	4	South	423	Gray	Radiator	Steel	Intact	0.2
460	4	North	423	Gray	Door Casing	Steel	Intact	-0.2
461	4	North	423	Gray	Door	Steel	Intact	-0.1
462	4	North	404	Gray	Wall	CMU	Intact	0.0
463	4	North	404	Gray	Wall	CMU	Intact	0.0
464	4	East	404	Gray	Wall	CMU	Intact	-0.2
465	4	South	404	Gray	Wall	CMU	Intact	-0.1
466	4	West	404	Gray	Wall	CMU	Intact	-0.1
467	4	South	404	Gray	Door Casing	Steel	Intact	-0.2
468	4	South	404	Gray	Door	Steel	Intact	-0.2
469	4	North	424	Gray	Wall	CMU	Intact	-0.1
470	4	East	424	Gray	Wall	CMU	Intact	-0.1
471	4	South	424	Gray	Wall	CMU	Intact	-0.5
472	4	West	424	Gray	Wall	CMU	Intact	-0.2
473	4	South	424	Gray	Radiator	Steel	Intact	-0.1
474	4	North	424	Gray	Door	Steel	Intact	-0.1
475	4	North	424	Gray	Door Casing	Steel	Intact	-0.1
476	4	South	403	Gray	Wall	CMU	Intact	0.0
477	4	South	403	Gray	Wall	CMU	Intact	-0.1
478	4	East	403	Gray	Wall	CMU	Intact	-0.2
479	4	South	403	Gray	Wall	CMU	Intact	-0.3
480	4	South	403	Gray	Door	Steel	Intact	0.0
481	4	South	403	Gray	Door Casing	Steel	Intact	0.0
482	4	North	402	White	Wall	CMU	Intact	0.0
483	4	East	402	White	Wall	CMU	Intact	-0.2
484	4	South	402	White	Wall	CMU	Intact	0.0
485	4	West	402	White	Wall	CMU	Intact	0.2
486	4	South	402	Gray	Door	Steel	Intact	-0.1
487	4	South	402	Gray	Door Casing	Steel	Intact	0.0

Table B
XRF Lead-Based Paint Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm²
488	4	North	425	Gray	Wall	CMU	Intact	0.0
489	4	East	425	Gray	Wall	CMU	Intact	-0.1
490	4	South	425	Gray	Wall	CMU	Intact	-0.2
491	4	West	425	Gray	Wall	CMU	Intact	0.0
492	4	South	425	Gray	Radiator	Steel	Intact	-0.2
493	4	North	425	Gray	Door	Steel	Intact	-0.1
494	4	North	425	Gray	Door Casing	Steel	Intact	-0.1
495	4	North	Hallway	Gray	Wall	CMU	Intact	0.0
496	4	North	Hallway	Gray	Radiator -	Steel	Intact	0.0
497	4	North	Hallway	White	Ceiling Tile	Steel	Intact	0.0
498	4	East	Stairs	Tan	Stairs-Newel Post	Steel	Intact	0.2
499	4	East	Stairs	Tan	Stairs-Railing Cap	Steel	Intact	-0.1
500	4	East	Stairs	Gray	Stairs-Risers	Steel	Intact	1.0
501	4	East	Stairs	Gray	Stairs-Treads	Steel	Intact	-0.3
502	4	East	Stairs	Gray	Stairs-Railing Cap	Steel	Intact	-0.1
503	4	East	Stairs	White	Stairs-Wall	CMU	Poor	-0.1
504	4	East	407	Black	Stairs-Roof	Steel	Poor	-0.2
505	4	East	Side D	Gray	Door-Header	Steel	Poor	-0.2
506	4	East	Side D	Gray	Door	Steel	Poor	-0.1
507	4	East	Side D	Gray	Door-Lintel	Steel	Poor	-0.2
508	4	West	Side D	Gray	Corners-Guards	Steel	Poor	-0.3
509	4	North	Side A	Gray	Window-Lintel	Steel	Poor	-0.1
510	4	North	Side A	Gray	Window-Lintel	Steel	Poor	-0.1
511	4	South	Side C	Gray	Window-Lintel	Steel	Poor	1.0
512	4	South	Side C	Gray	Window-Lintel	Steel	Poor	-0.2
513	4	South	Side D	Gray	Window-Lintel	Steel	Poor	-0.1

Table B
XRF Lead-Based Paint Inspection Results
Norwich State Hospital - Ribicoff Building
Inspected on October 4 and 5, 2010

Sample Reading No.	Floor	Side	Room	Color	Surface/ Component	Substrate	Condition	XRF Result mg/cm ²
514	-	-	-	-	Calibration Check	-	-	1.0
515	-	-	-	-	Calibration Check	-	-	1.0
516	-	-	-	-	Calibration Check	-	-	1.0

Notes:

Mg/cm² – milligrams per square centimeter

CMU – concrete masonry unit

N/A – Not applicable

Negative results indicate that no lead was detected (equivalent to 0.0 mg/cm²)

A dash (“-”) in empty cells indicates that information is not applicable

Calibration data are reported in the sequence in which they were performed

BOLD ≥ 1.0 mg/cm²

Appendix B

CADD Drawings with Sample Locations (Asbestos, LBP, and PCB)

LEGEND

23B - Bulk sample ID and location

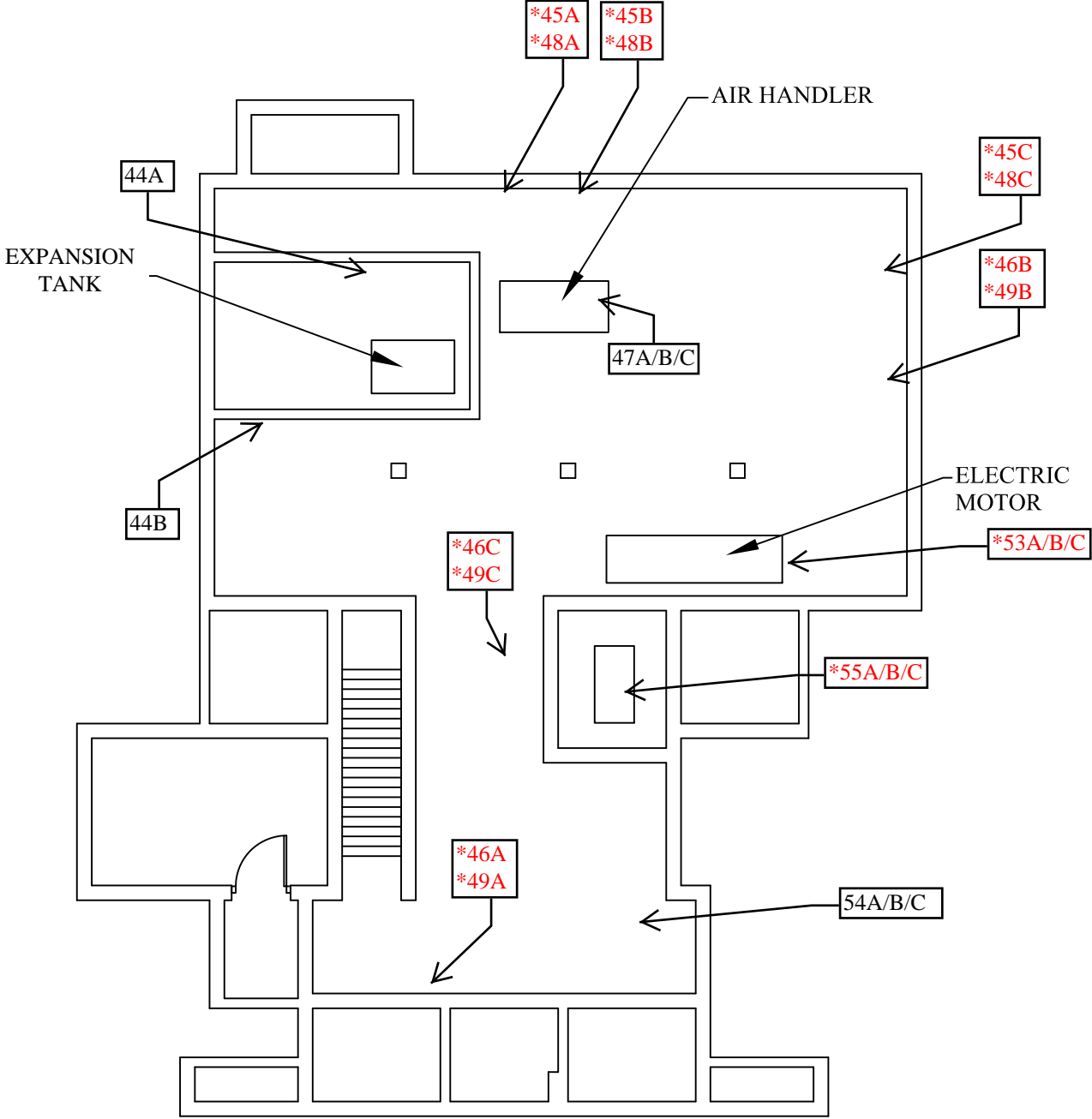
*4A - Asbestos-containing material (ACM)

ACM notes:

All thermal system insulation is ACM (see samples 45, 46, 48, 49)

Basement black solid pipe insulation is ACM (see sample 53)

Basement electrical mounting board is ACM (see sample 55)




BASEMENT



NO.	DATE	DESCRIPTION	DRN	CHK	APP
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BASEMENT
ASBESTOS
SAMPLE
LOCATIONS

DWG. NO.

FIG-1

DRAWN DJA

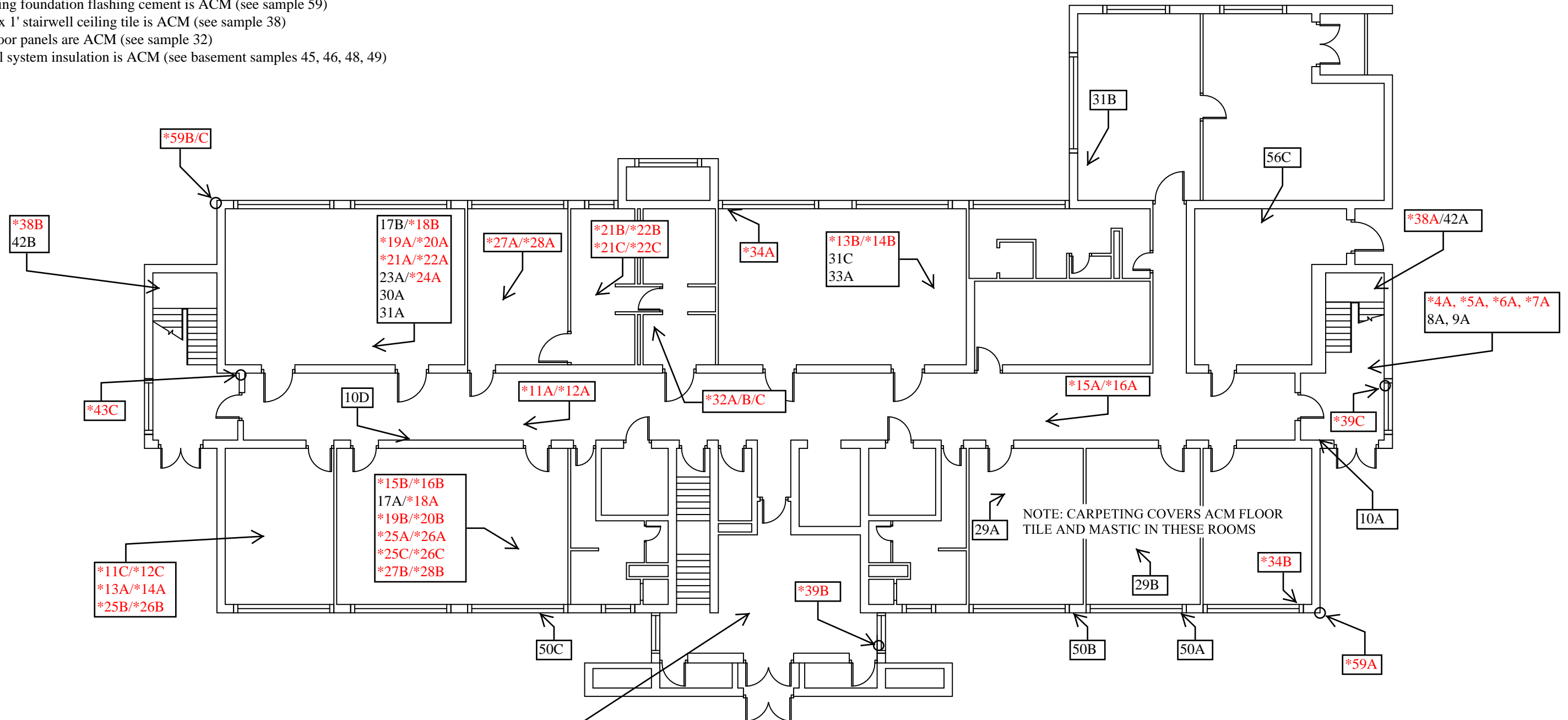
APPROVED

SCALE NOT TO SCALE

PROJ. NO. 7055001.000

23B - Bulk sample ID and location
 *4A - Asbestos-containing material (ACM)

All ground floor 9" x 9" vinyl floor tiles and mastics are ACM
All 12" x 12" vinyl floor tile mastic is ACM
All thick, chalky, white window glaze is ACM (see sample 34)
All caulk between interior doors and building walls is ACM (see sample 43)
All window glaze gaskets are ACM (see sample 39)
All exterior building foundation flashing cement is ACM (see sample 59)
Glue daubs on 1' x 1' stairwell ceiling tile is ACM (see sample 38)
Interior cabinet door panels are ACM (see sample 32)
Bathroom thermal system insulation is ACM (see basement samples 45, 46, 48, 49)



23B/*24B
23C/*24C
35A/B/C
36A/37A
36B/37B
51A/B/C
52A/B
56B
58A/B/C

NO.	DATE	DESCRIPTION	DRN	CHK	APR
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FIG-2

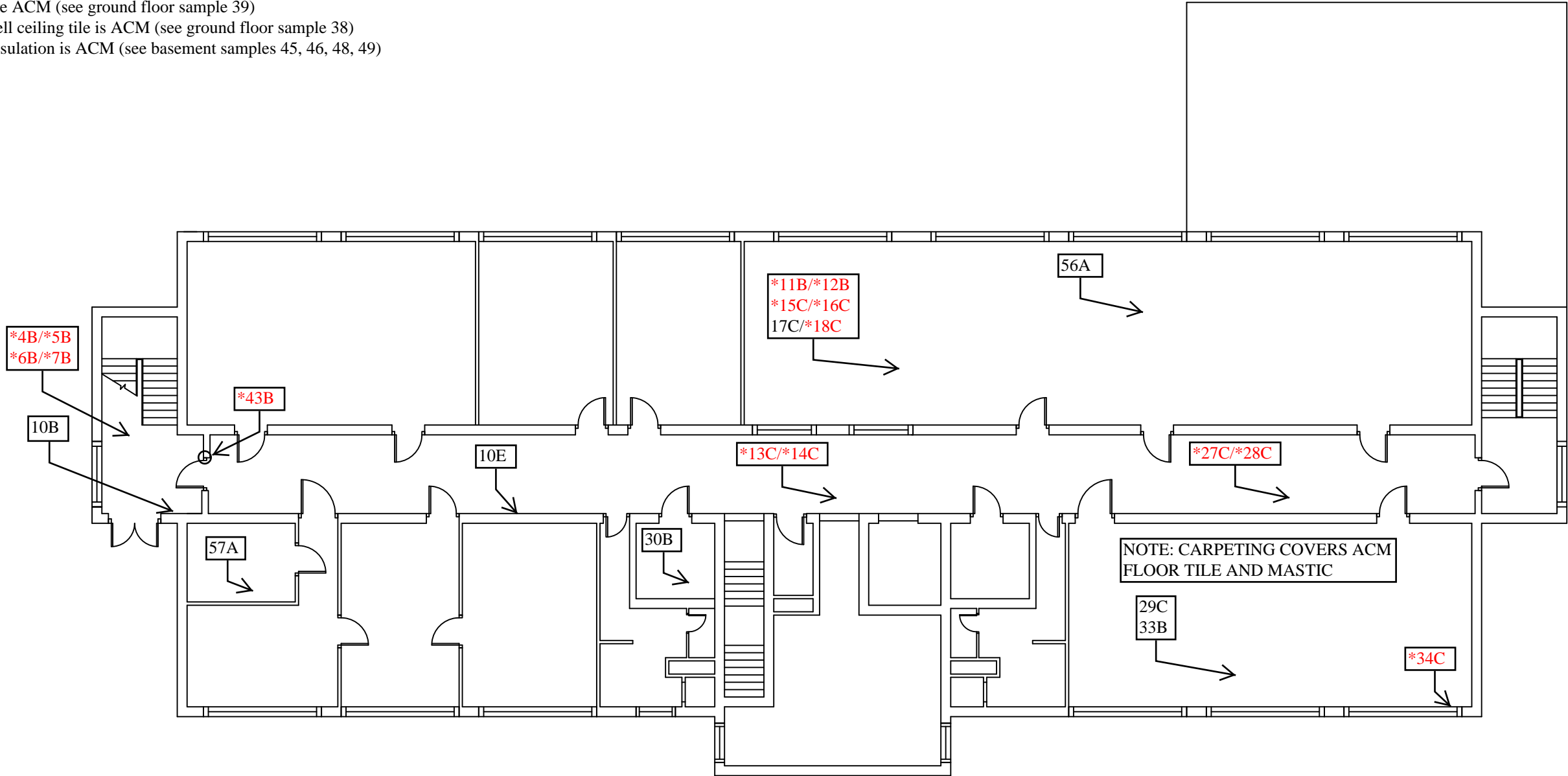
DRAWN	DJA	APPROVED	SCALE NOT TO SCALE	PROJ. NO. 7055001.000
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LEGEND

23B - Bulk sample ID and location
*4A - Asbestos-containing material (ACM)

ACM notes:

- All second floor 9" x 9" vinyl floor tiles and mastics are ACM
- All second floor 12" x 12" vinyl floor tiles and mastics are ACM
- All thick, chalky, white window glaze is ACM (see sample 34)
- All caulk between interior doors and building walls is ACM (see sample 43)
- All window glaze gaskets are ACM (see ground floor sample 39)
- Glue daubs on 1' x 1' stairwell ceiling tile is ACM (see ground floor sample 38)
- Bathroom thermal system insulation is ACM (see basement samples 45, 46, 48, 49)



SECOND FLOOR

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SECOND FLOOR
ASBESTOS SAMPLE
LOCATIONS

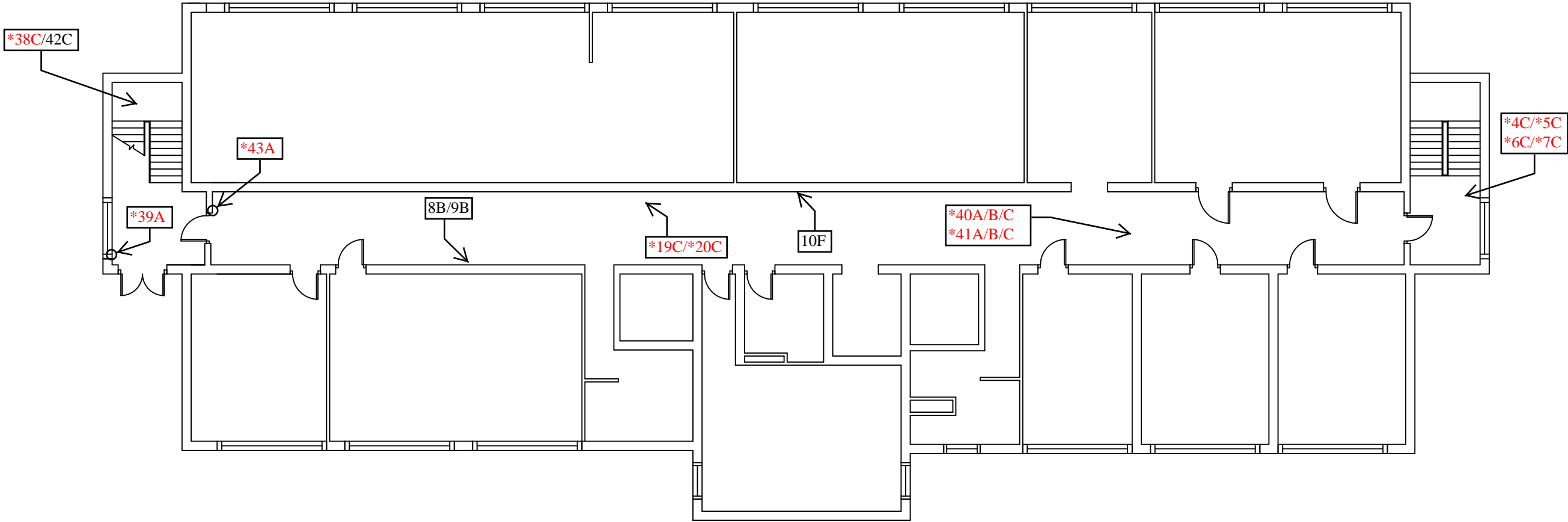
DWG. NO.
FIG-3

LEGEND

23B - Bulk sample ID and location
*4A - Asbestos-containing material (ACM)

ACM notes:

Carpet covers all third floor ACM floor tile and mastic except in hallways
All third floor 9" x 9" vinyl floor tiles and mastics are ACM
All thick, chalky, white window glaze is ACM (see ground floor sample 34)
All caulk between interior doors and building walls is ACM (see sample 43)
All window glaze gaskets are ACM (see sample 39)
Glue daubs on 1' x 1' stairwell ceiling tile is ACM (see ground floor sample 38)
Bathroom thermal system insulation is ACM (see basement samples 45, 46, 48, 49)



THIRD FLOOR

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NO.	DATE	DESCRIPTION	DRN	CHK	APP
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THIRD FLOOR
ASBESTOS SAMPLE
LOCATIONS

DWG. NO.
FIG-4

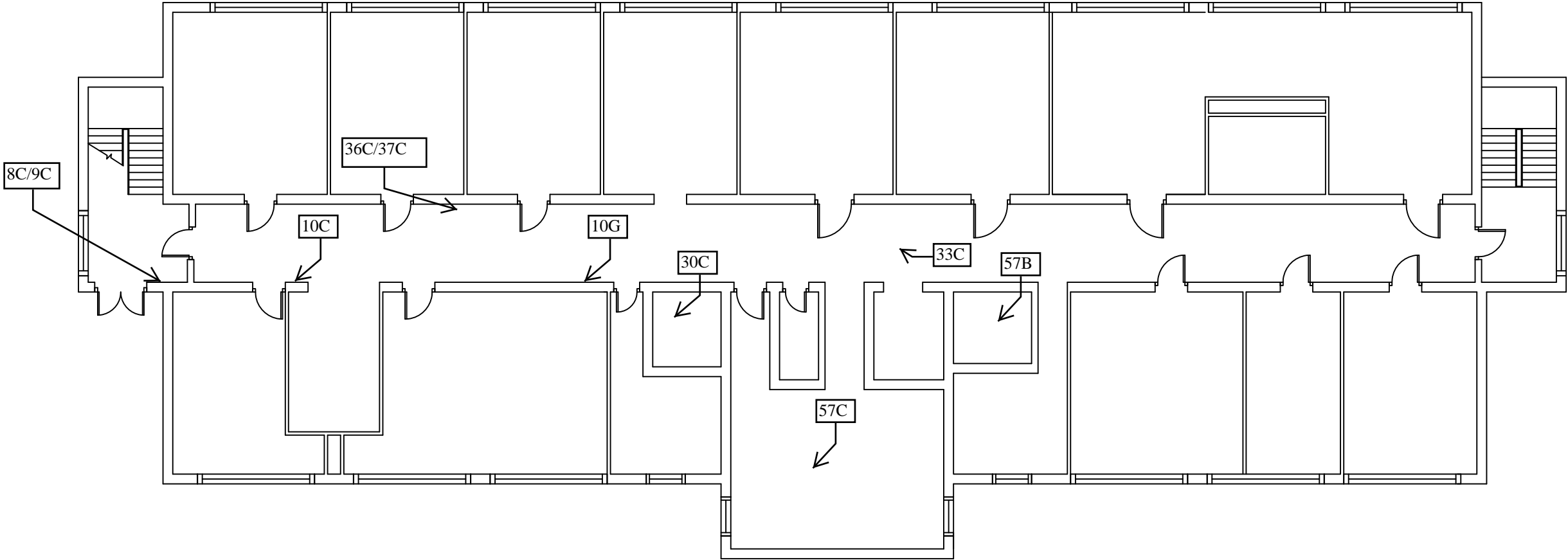
LEGEND

23B - Bulk sample ID and location

*4A - Asbestos-containing material (ACM)

ACM notes:

- All fourth floor floors are terrazzo or concrete
- All thick, chalky, white window glaze is ACM (see sample 34)
- All caulk between interior doors and building walls is ACM (see sample 43)
- All window glaze gaskets are ACM (see sample 39)
- Glue daubs on 1' x 1' stairwell ceiling tile are ACM (see ground floor sample 38)
- Bathroom thermal system insulation is ACM (see basement samples 45, 46, 48, 49)



FOURTH FLOOR

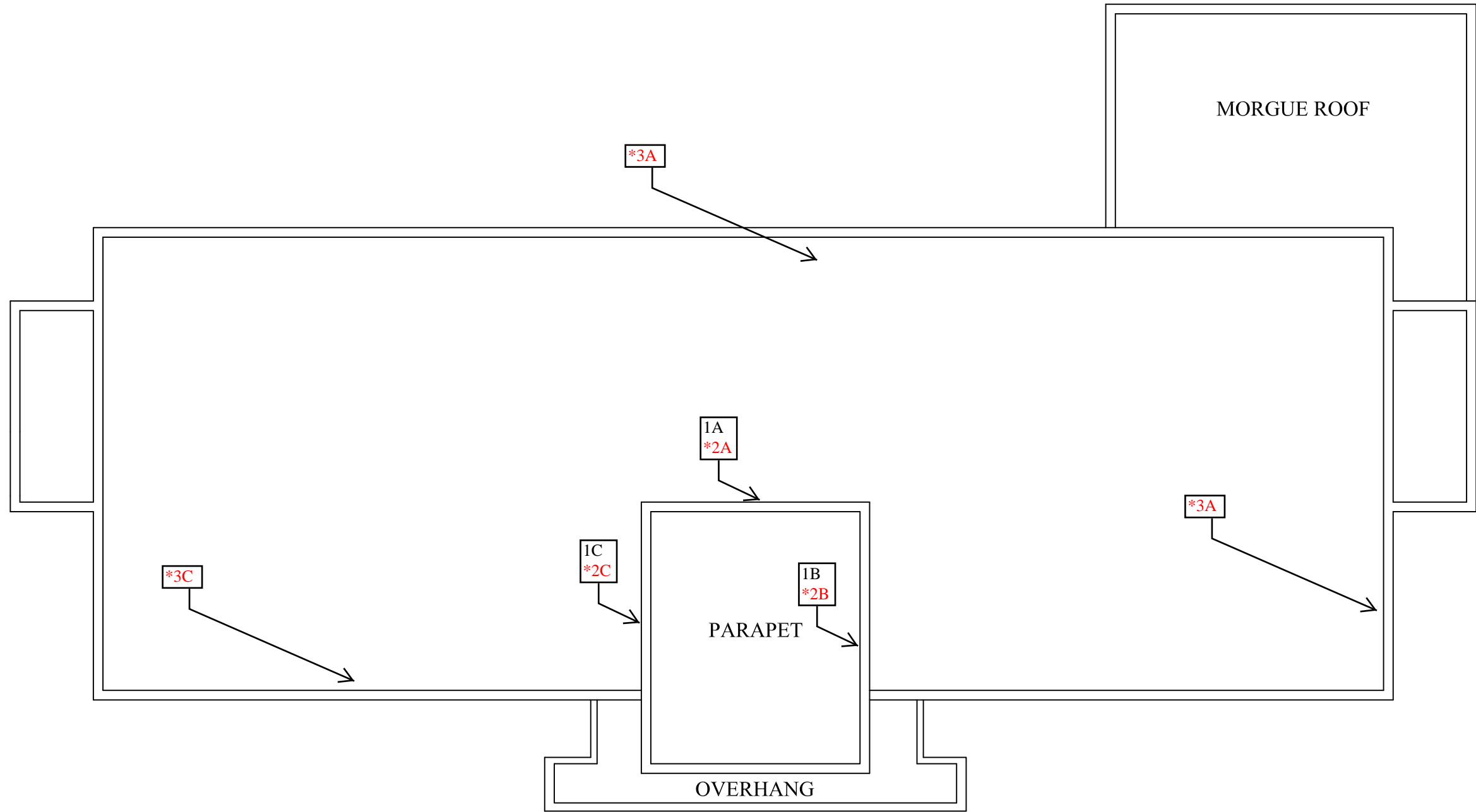
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NO.	DATE	DESCRIPTION	DRN	CHK	APP
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FOURTH FLOOR
ASBESTOS SAMPLE
LOCATIONS

DWG. NO.
FIG-5



ROOF PLAN

LEGEND

23B - Bulk sample ID and location
*4A - Asbestos-containing material (ACM)

ACM notes:
Silver paint on flashing is ACM (based on historical data)
Roof perimeter flashing is ACM (see sample 3)

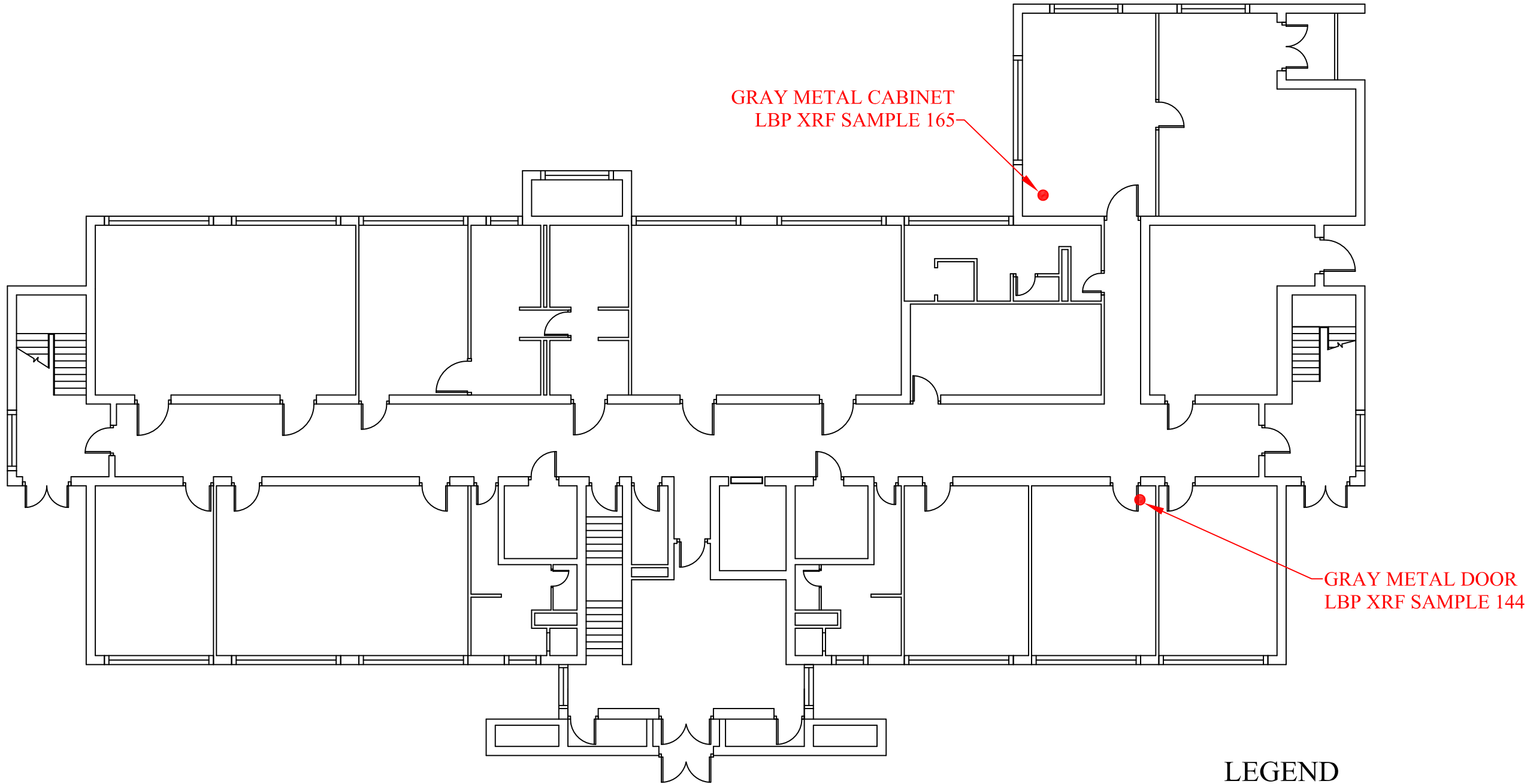
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ROOF PLAN
ASBESTOS SAMPLE
LOCATIONS


DWG. NO.
FIG-6



GROUND FLOOR



LEGEND

144  Lead-Based Paint (LBP) Material and Sample Number

LBP notes:
All stair risers have LBP
All window lintels have LBP
Additional floor-specific LBP components are identified on plan

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NO.	DATE	DESCRIPTION	DRN	CHK	APP
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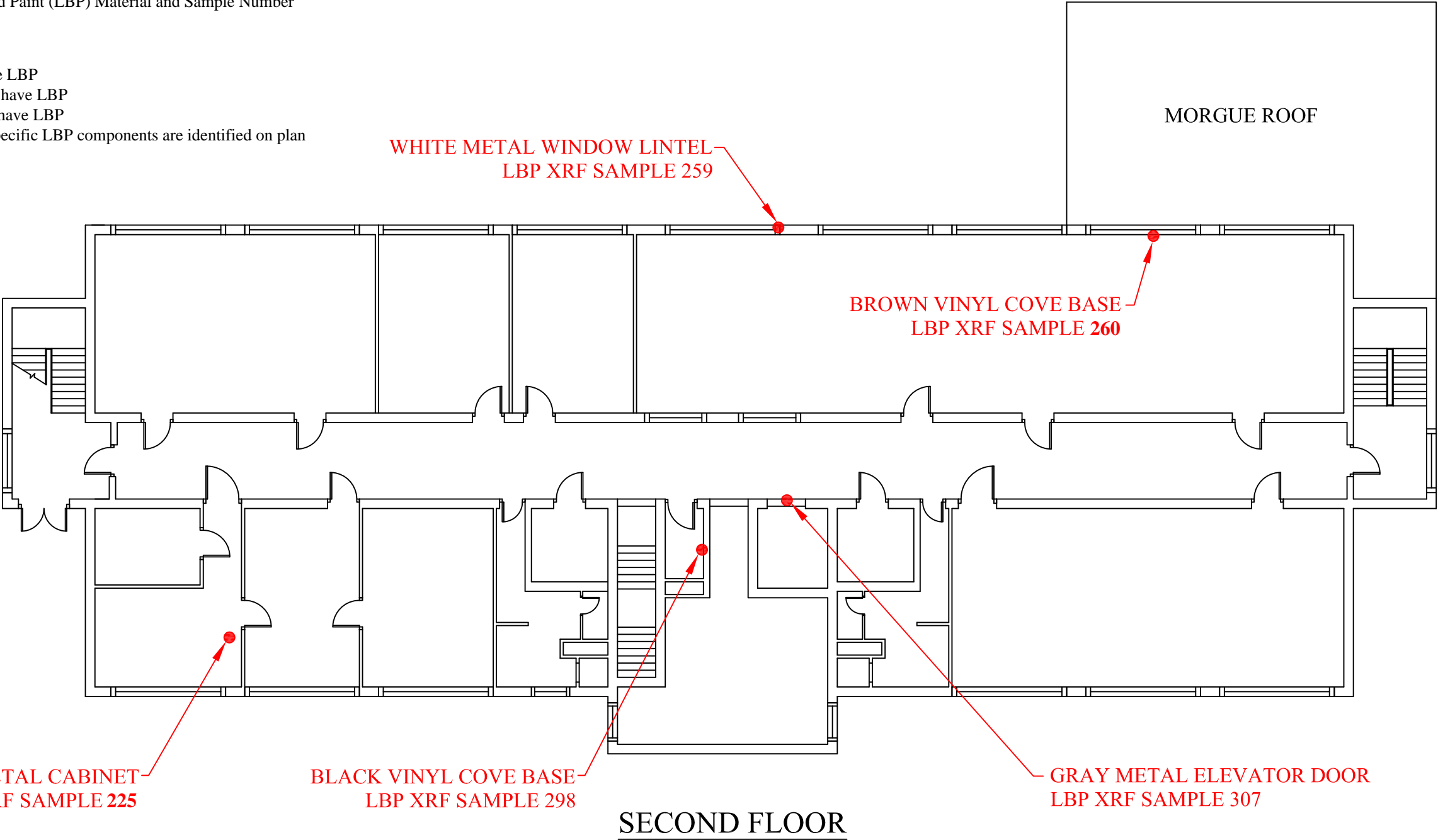
GROUND FLOOR
LEAD-BASED PAINT
SAMPLE LOCATIONS

DWG. NO.
FIG-7

LEGEND

144 ● Lead-Based Paint (LBP) Material and Sample Number

LBP notes:
All stair risers have LBP
All window lintels have LBP
All elevator doors have LBP
Additional floor-specific LBP components are identified on plan



NORWICH STATE HOSPITAL
NORWICH, CONNECTICUT

NO.	DATE	DESCRIPTION	DRN	CHK	APP
REVISION					



SECOND FLOOR
LEAD-BASED PAINT
SAMPLE LOCATIONS

DWG. NO.
FIG-8

LEGEND

144 → Lead-Based Paint (LBP) Material and Sample Number

LBP notes:

- All stair risers have LBP
- All window lintels have LBP
- Elevator doors have LBP
- Additional floor-specific LBP components are identified on plan

GRAY STEEL DOOR CASING
LBP XRF SAMPLE 401

GRAY STEEL DOOR CASING
LBP XRF SAMPLE 350

GRAY STEEL DOOR CASING
LBP XRF SAMPLE 374

THIRD FLOOR



NORWICH STATE HOSPITAL
NORWICH, CONNECTICUT


NO.	DATE	DESCRIPTION	DRN	CHK	APP
REVISION					



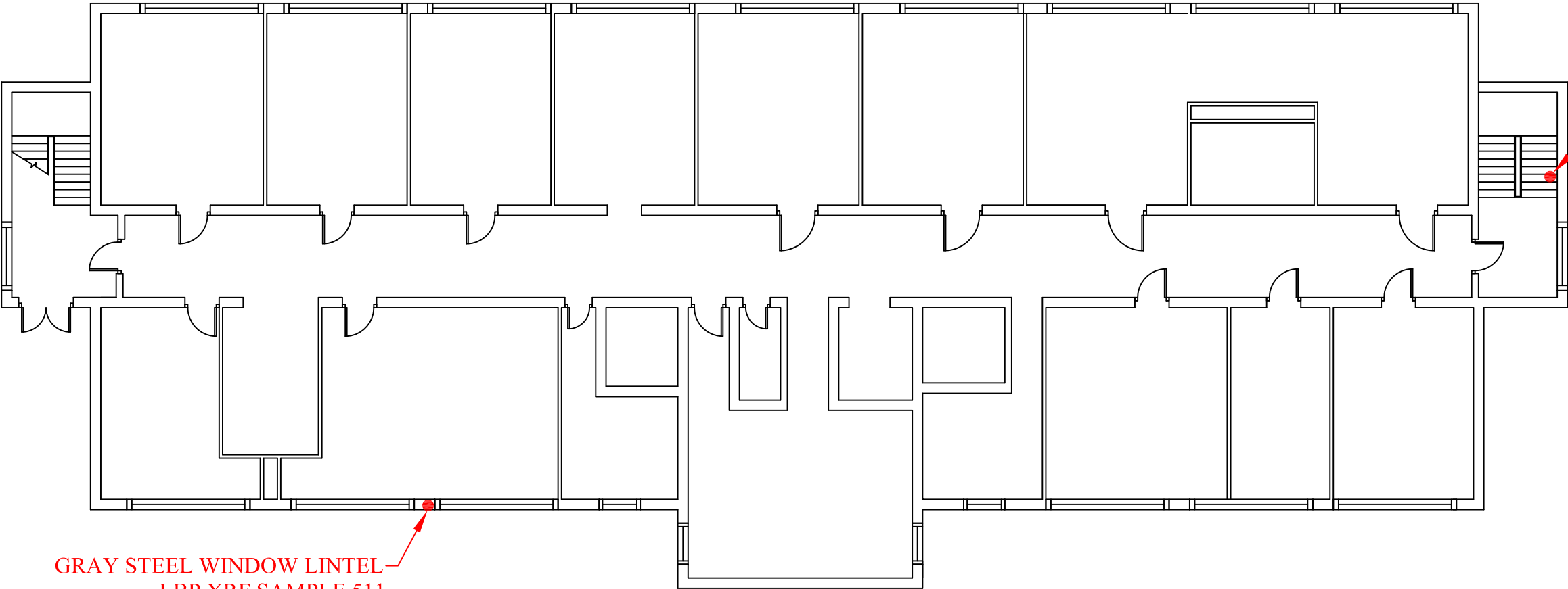
THIRD FLOOR
LEAD-BASED PAINT
SAMPLE LOCATIONS

DWG. NO.
FIG-9

LEGEND

144  Lead-Based Paint (LBP) Material and Sample Number

LBP notes:
All stair risers have LBP
All window lintels have LBP
Elevator doors have LBP
Additional floor-specific LBP components are identified on plan



FOURTH FLOOR



NORWICH STATE HOSPITAL
NORWICH, CONNECTICUT

NO.	DATE	DESCRIPTION	DRN	CHK	APP
REVISION					

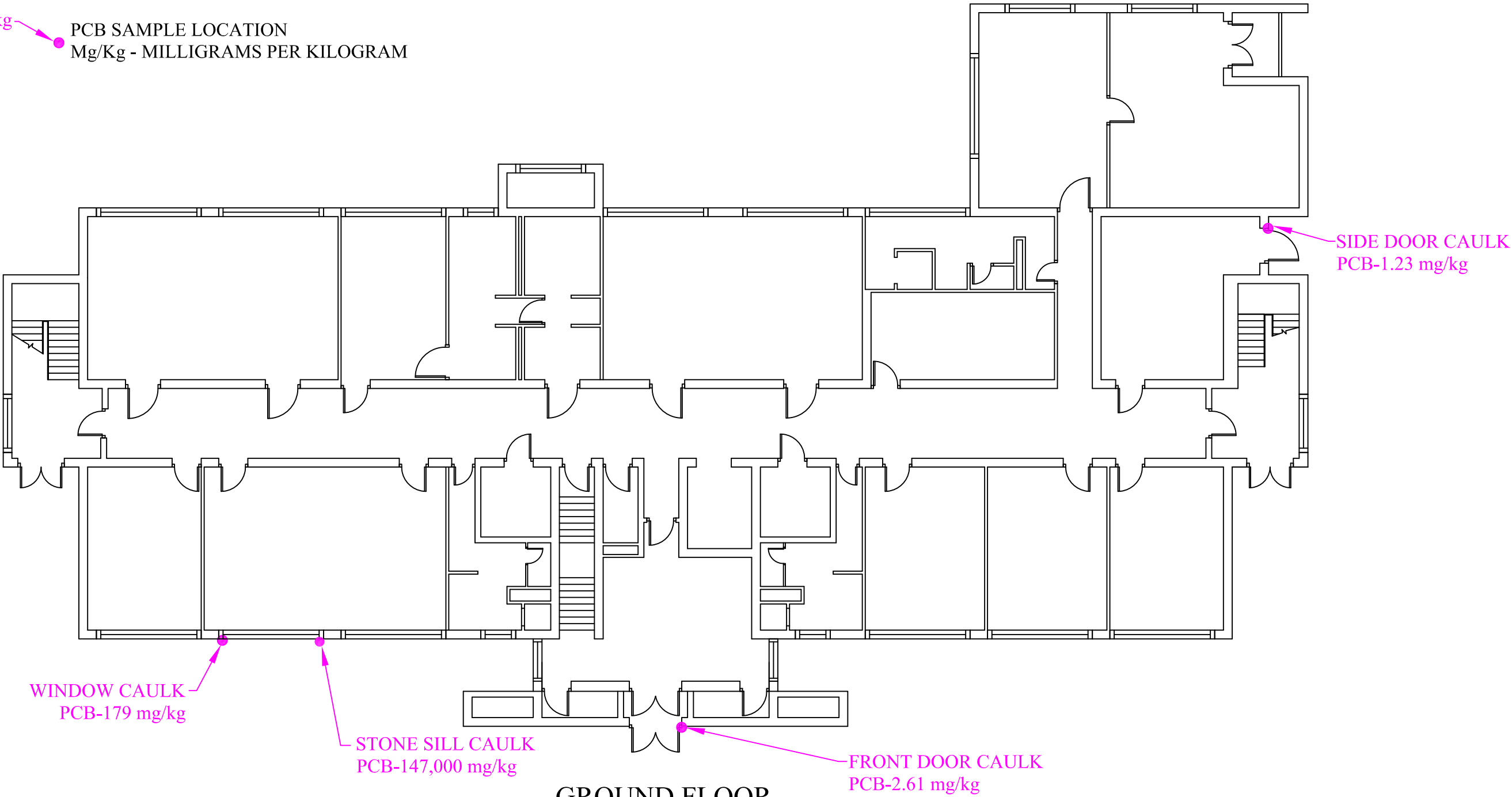


FOURTH FLOOR
LEAD-BASED PAINT
SAMPLE LOCATIONS

DWG. NO.
FIG-10

LEGEND

2.62 mg/kg
PCB SAMPLE LOCATION
Mg/Kg - MILLIGRAMS PER KILOGRAM



GROUND FLOOR



NORWICH STATE HOSPITAL
NORWICH, CONNECTICUT

NO.	DATE	DESCRIPTION	DRN	CHK	APP
REVISION					

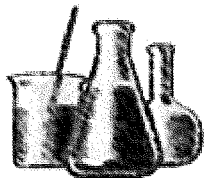


EXTERIOR
GROUND FLOOR
PCB CAULK SAMPLE
LOCATIONS

DWG. NO.
FIG-11

Appendix C

Laboratory Reports and Chains of Custody



ProScience Analytical Services, Inc

Mike Delaney
Mabbett & Associates, Inc.
5 Alfred Circle
Bedford, MA 01730-2318

October 22, 2010

Dear Mike Delaney,

The enclosed analytical results have been obtained by using the EPA/600/R-93/116 method. The "Visual Estimate" quantitative method is generally used for determining the percentage of asbestos and other components of the sample. "The Point Counting" method may also be used upon client request or at the analyst discretion. The Point Count method is usually recommended when the sample contains less than 10% asbestos by Visual estimate. Asbestos content less than 1% is recorded on the report as TR (trace).

The Quality Control data related to the samples analyzed is available upon client's written request. ProScience Analytical Services Inc., assumes no responsibility for potential sample contamination that may have occurred during the sample collection process or erroneous data provided by the client.

The enclosed results may not be used under any circumstances as product endorsement by any US government agency including NIST/NVLAP.

All Laboratory records are retained for at least three years unless otherwise directed in writing by the client. The actual samples are retained for a period of two months and written request is necessary in order to be retained for a longer period of time. All analytical results and records are considered strictly confidential and will not be released under any circumstances to anyone except the actual client. The analytical results included in this report apply only to the items tested.

If you have any questions please contact the Laboratory Manager or the Laboratory Director.

Sincerely,

Valerica Stanca, Optical Asbestos Manager

Adrian Stanca, Laboratory Director

Enclosure: Version 2
LAB BATCH ID: B 71866 CLIENT PROJECT ID: 7055001.000
Client Ref: Norwich State Hospital - Ribicoff Building
NVLAP Lab Code 200090-0; CT ID# PH-0209; MA ID# AA000156; ME ID# LB-055; ME ID# LA-056;
AIHA ID# 102754; VT ID# AL016876; PH ID# 218(TEM,PLM); RI ID# 186.

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
 Client Project #: 7055001.000
 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

Batch: B71866
 Date Sampled: 10/4/2010
 Date Received: 10/8/2010
 Date Analyzed: 10/16/2010
 Date of Report: 10/22/2010

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809340	01A -	Black	0	0	0	0	0	0	0	0	20	0	0	0	80
Description: Asphalt roof field Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809341	01B -	Black	0	0	0	0	0	0	0	0	20	0	0	0	80
Description: Asphalt roof field Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809342	01C -	Black	0	0	0	0	0	0	0	0	20	0	0	0	80
Description: Asphalt roof field Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809343	02A -	Silver	0	0	0	0	0	0	0	0	60	0	0	0	40
Description: Silver painted paper Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809344	02B -	Silver	0	0	0	0	0	0	0	0	60	0	0	0	40
Description: Silver painted paper Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809345	02C -	Silver	0	0	0	0	0	0	0	0	60	0	0	0	40
Description: Silver painted paper Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
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 Method: EPA/600/R-93/116

Batch: B71866
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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809346	03A -	Black	10	0	0	0	0	0	0	0	10	0	0	0	80
Description: Flashing Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809347	03B -		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Flashing Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809348	03C -		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Flashing Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809349	04A - West stairwell	Pink	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 9"x9" Pink floor tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809350	04B - East stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Pink floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809351	04C - West stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Pink floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
 Client Project #: 7055001.000
 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

Batch: B71866
 Date Sampled: 10/4/2010
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 Date of Report: 10/22/2010

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809352	05A - West stairwell	Black	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 9"x9" Pink floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809353	05B - East stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Pink floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809354	05C - West stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Pink floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809355	06A - West stairwell	Red	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 9"x9" Red floor tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809356	06B - East stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Red floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809357	06C - West stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Red floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
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 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

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 Date Sampled: 10/4/2010
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 Date of Report: 10/22/2010

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809358	07A - West stairwell	Black	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 9"x9" Red floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809359	07B - East stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Red floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809360	07C - West stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Red floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809361	08A - West stairwell	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Cove base Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809362	08B - Hallway	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Cove base Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809363	08C - East stairwell	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Cove base Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

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Client Name: Mabbett & Associates, Inc.
 PO #: 4632
 Client Project #: 7055001.000
 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

Batch: B71866
 Date Sampled: 10/4/2010
 Date Received: 10/8/2010
 Date Analyzed: 10/16/2010
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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809364	09A - West stairwell	Tan	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Cove base mastic Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809365	09B - Hallway	Tan	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Cove base mastic Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809366	09C - East stairwell	Tan	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Cove base mastic Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809367	10A - West stairwell	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Textured surfacing on cinderblock Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809368	10B - East stairwell	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Textured surfacing on cinderblock Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809369	10C - Hallway	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Textured surfacing on cinderblock Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
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 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

Batch: B71866
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 Date Analyzed: 10/16/2010
 Date of Report: 10/22/2010

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809370	10D - Hallway	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Textured surfacing on cinderblock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809371	10E - Hallway	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Textured surfacing on cinderblock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809372	10F - Hallway	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Textured surfacing on cinderblock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809373	11A - Hallway	Red	3	0	0	0	0	0	0	0	0	0	0	0	97
Description: 9"x9" Maroon floor tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809374	11B - Canteen		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Maroon floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809375	11C - 117		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Maroon floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
 Client Project #: 7055001.000
 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

Batch: B71866
 Date Sampled: 10/4/2010
 Date Received: 10/8/2010
 Date Analyzed: 10/16/2010
 Date of Report: 10/22/2010

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809376	12A - Hallway	Black	10	0	0	0	0	0	0	0	0	0	0	0	90
Description: 9"x9" Maroon floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809377	12B - Canteen		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Maroon floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809378	12C - 117		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Maroon floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809379	13A - 117	White	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 9"x9" White floor tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809380	13B - 113B		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" White floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809381	13C - Hallway		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" White floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
 Client Project #: 7055001.000
 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

Batch: B71866
 Date Sampled: 10/4/2010
 Date Received: 10/8/2010
 Date Analyzed: 10/16/2010
 Date of Report: 10/22/2010

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809382	14A - 117	Black	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 9"x9" White floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809383	14B - 113B		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" White floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809384	14C - Hallway		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" White floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809385	15A - Hallway	Beige	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 9"x9" Off-white floor tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809386	15B - 118A		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Off-white floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809387	15C - Canteen		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Off-white floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
 Client Project #: 7055001.000
 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

Batch: B71866
 Date Sampled: 10/4/2010
 Date Received: 10/8/2010
 Date Analyzed: 10/16/2010
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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809388	16A - Hallway	Black	10	0	0	0	0	0	0	0	0	0	0	0	90
Description: 9"x9" Off-white floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809389	16B - 118A		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Off-white floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809390	16C - Canteen		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Off-white floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809391	17A - 118A	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12"x12" White floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809392	17B - 115B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12"x12" White floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809393	17C - Canteen	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12"x12" White floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

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Batch: B71866
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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809394	18A - 118A	Black	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 12"x12" White floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809395	18B - 115B		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 12"x12" White floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809396	18C - Canteen		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 12"x12" White floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809397	19A - 118A	Green	2	0	0	0	0	0	0	0	0	0	0	0	98
Description: 9"x9" Green tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809398	19B - 113B		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Green tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809399	19C - Hallway		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Green tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809400	20A - 118A	Black	3	0	0	0	0	0	0	0	0	0	0	0	97
Description: 9"x9" Green tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809401	20B - 113B		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Green tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809402	20C - Hallway		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Green tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809403	21A - 118A	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 9"x9" Green floor tile Location: N/A Comments: Tile is Black not Green. Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809404	21B - 114	Black	3	0	0	0	0	0	0	0	0	0	0	0	97
Description: 9"x9" Green floor tile Location: N/A Comments: Tile is Black not Green. Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809405	21C - 114		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Green floor tile Location: N/A Comments: Tile is Black not Green. Is asbestos present? No. Analyzed: No															

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Batch: B71866
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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809406	22A - 118A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 9"x9" Green floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809407	22B - 114	Black	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 9"x9" Green floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809408	22C - 114		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Green floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809409	23A - 115A	Blue	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12"x12" Light blue floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809410	23B - Foyer	Blue	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12"x12" Light blue floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809411	23C - Foyer	Blue	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12"x12" Light blue floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809412	24A - 115A	Black	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 12"x12" Light blue floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809413	24B - Foyer		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 12"x12" Light blue floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809414	24C - Foyer		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 12"x12" Light blue floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809415	25A - 118A	Gray	TR	0	0	0	0	0	0	0	0	0	0	0	100
Description: 9"x9" Grey floor tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809416	25B - 117	Gray	TR	0	0	0	0	0	0	0	0	0	0	0	100
Description: 9"x9" Grey floor tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809417	25C - 118B	Gray	TR	0	0	0	0	0	0	0	0	0	0	0	100
Description: 9"x9" Grey floor tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809418	26A - 118A	Black	2	0	0	0	0	0	0	0	0	0	0	0	98
Description: 9"x9" Grey floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809419	26B - 117		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Grey floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809420	26C - 118B		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Grey floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809421	27A - 114B	Blue	3	0	0	0	0	0	0	0	0	0	0	0	97
Description: 9"x9" Dark blue floor tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809422	27B - 118B		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Dark blue floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809423	27C - Hallway		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Dark blue floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809424	28A - 114B	Black	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 9"x9" Dark blue floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809425	28B - 118B		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Dark blue floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809426	28C - Hallway		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" Dark blue floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809427	29A - 105	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Carpet mastic Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809428	29B - 106	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Carpet mastic Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809429	29C - 207B	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Carpet mastic Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809430	30A - 115	Tan	0	0	0	0	0	0	0	45	45	0	0	0	10
Description: 2'x4' Ceiling tile Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809431	30B - Jan closet	Tan	0	0	0	0	0	0	0	45	45	0	0	0	10
Description: 2'x4' Ceiling tile Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809432	30C - Jan closet	Tan	0	0	0	0	0	0	0	50	40	0	0	0	10
Description: 2'x4' Ceiling tile Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809433	31A - 115	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Laboratory counter top Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809434	31B - 110A	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Laboratory counter top Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809435	31C - 113B	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Laboratory counter top Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809436	32A - 114	Gray	20	0	0	0	0	0	0	0	0	0	0	0	80
Description: Door panel Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809437	32B - 114		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Door panel Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809438	32C - 114		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Door panel Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809439	33A - 113B	Tan	0	0	0	0	0	0	0	45	45	0	0	0	10
Description: 2'x2' Ceiling tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809440	33B - 207B	Tan	0	0	0	0	0	0	0	45	45	0	0	0	10
Description: 2'x2' Ceiling tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809441	33C - Hallway	White	0	0	0	0	0	0	0	90	0	0	0	0	10
Description: 2'x2' Ceiling tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
 Client Project #: 7055001.000
 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809442	34A - 113B	Multi	2	0	0	0	0	0	0	0	0	0	0	0	98
Description: Window glazing Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809443	34B - 107		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Window glazing Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809444	34C - 207B		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Window glazing Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809445	35A - Foyer	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Plaster skimcoat Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809446	35B - Foyer	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Plaster skimcoat Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809447	35C - Foyer	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Plaster skimcoat Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809448	36A - Foyer	Gray	0	0	0	0	0	0	0	0	20	0	0	0	80
Description: Dry wall Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809449	36B - Foyer	Gray	0	0	0	0	0	0	0	0	20	0	0	0	80
Description: Dry wall Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809450	36C - Foyer	Gray	0	0	0	0	0	0	0	0	20	0	0	0	80
Description: Dry wall Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809451	37A - Foyer	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint compound Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809452	37B - Foyer	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint compound Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809453	37C - Foyer	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint compound Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809454	38A - West stairwell	Brown	TR	0	0	0	0	0	0	0	0	0	0	0	100
Description: Brown glue daubs on 1'x1' ceiling tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809455	38B - East stairwell	Brown	TR	0	0	0	0	0	0	0	0	0	0	0	100
Description: Brown glue daubs on 1'x1' ceiling tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809456	38C - East stairwell	Brown	TR	0	0	0	0	0	0	0	0	0	0	0	100
Description: Brown glue daubs on 1'x1' ceiling tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809457	39A - East stairwell	Gray	3	0	0	0	0	0	0	0	0	0	0	0	97
Description: Window glaze type II Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809458	39B - Foyer		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Window glaze type II Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809459	39C - West stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Window glaze type II Location: N/A Comments: Is asbestos present? No. Analyzed: No															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809460	40A - Hallway	White	3	0	0	0	0	0	0	0	0	0	0	0	97
Description: 9"x9" White with green streaks floor tile Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809461	40B - Hallway		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" White with green streaks floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809462	40C - Hallway		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" White with green streaks floor tile Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809463	41A - Hallway	Black	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: 9"x9" White with green streaks floor tile mastic Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809464	41B - Hallway		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" White with green streaks floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809465	41C - Hallway		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 9"x9" White with green streaks floor tile mastic Location: N/A Comments: Is asbestos present? No. Analyzed: No															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809466	42A - West stairwell	White	0	0	0	0	0	0	0	90	0	0	0	0	10
Description: 1'x1' Ceiling tile Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809467	42B - East stairwell	White	0	0	0	0	0	0	0	90	0	0	0	0	10
Description: 1'x1' Ceiling tile Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809468	42C - East stairwell	White	0	0	0	0	0	0	0	90	0	0	0	0	10
Description: 1'x1' Ceiling tile Location: N/A Comments:															
Is asbestos present? No.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809469	43A - East stairwell	Gray	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: Caulk between walls and doorway Location: N/A Comments:															
Is asbestos present? Yes.														Analyzed: Yes	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809470	43B - East stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulk between walls and doorway Location: N/A Comments:															
Is asbestos present? No.														Analyzed: No	

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809471	43C - East stairwell		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulk between walls and doorway Location: N/A Comments:															
Is asbestos present? No.														Analyzed: No	

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809472	44A - Basement	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive on metal bracket Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809473	44B - Basement	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive on metal bracket Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809474	45A - Basement	Gray	10	40	0	0	0	0	0	0	0	0	0	0	50
Description: Thermal System Insulation, >6" dia. pipe Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809475	45B - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Thermal System Insulation, >6" dia. pipe Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809476	45C - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Thermal System Insulation, >6" dia. pipe Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809477	46A - Basement	Gray	20	40	0	0	0	0	0	0	0	0	0	0	40
Description: Thermal System Insulation, <6" dia. pipe Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809478	46B - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Thermal System Insulation, <6" dia. pipe Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809479	46C - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Thermal System Insulation, <6" dia. pipe Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809480	47A - Basement	Multi	0	0	0	0	0	0	0	5	10	0	5	0	80
Description: Wrap on air handler Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809481	47B - Basement	Multi	0	0	0	0	0	0	0	5	10	0	5	0	80
Description: Wrap on air handler Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809482	47C - Basement	Multi	0	0	0	0	0	0	0	5	10	0	5	0	80
Description: Wrap on air handler Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809483	48A - Basement	Gray	3	0	0	0	0	0	0	50	0	0	0	0	47
Description: Pipe fitting cement, >6" dia. pipe Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809484	48B - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Pipe fitting cement, >6" dia. pipe Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809485	48C - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Pipe fitting cement, >6" dia. pipe Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809486	49A - Basement	Gray	5	0	0	0	0	0	0	50	0	0	0	0	45
Description: Pipe fitting cement, <6" dia. pipe Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809487	49B - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Pipe fitting cement, <6" dia. pipe Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809488	49C - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Pipe fitting cement, <6" dia. pipe Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809489	50A - Exterior	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Grey caulk Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

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Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809490	50B - Exterior	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Grey caulk Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809491	50C - Exterior	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Grey caulk Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809492	51A - Foyer	Tan	0	0	0	0	0	0	0	0	90	0	0	0	10
Description: 1'x1' ceiling tiles, type II Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809493	51B - Foyer	Tan	0	0	0	0	0	0	0	0	90	0	0	0	10
Description: 1'x1' ceiling tiles, type II Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809494	51C - Foyer	Tan	0	0	0	0	0	0	0	0	90	0	0	0	10
Description: 1'x1' ceiling tiles, type II Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809495	52A - Foyer	Tan	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 1'x1' ceiling tiles, type II adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

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 Date Sampled: 10/4/2010
 Date Received: 10/8/2010
 Date Analyzed: 10/16/2010
 Date of Report: 10/22/2010

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809496	52B - Foyer	Tan	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 1'x1' ceiling tiles, type II adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809497	52C - Foyer		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: 1'x1' ceiling tiles, type II adhesive Location: N/A Comments: No Sample in bag & there was no Adhesive to take from Sample #51C. Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809498	53A - Basement	Black	40	0	0	0	0	0	0	0	0	0	0	0	60
Description: Black pipe wrap Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809499	53B - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Black pipe wrap Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809500	53C - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Black pipe wrap Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809501	54A - Basement	Black	0	0	0	0	0	0	0	0	0	0	30	0	70
Description: Vibration dampening cloth Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
 Client Project #: 7055001.000
 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

Batch: B71866
 Date Sampled: 10/4/2010
 Date Received: 10/8/2010
 Date Analyzed: 10/16/2010
 Date of Report: 10/22/2010

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809502	54B - Basement	Black	0	0	0	0	0	0	0	0	0	0	30	0	100
Description: Vibration dampening cloth Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809503	54C - Basement	Black	0	0	0	0	0	0	0	0	0	0	30	0	70
Description: Vibration dampening cloth Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809504	55A - Basement	Black	30	0	0	0	0	0	0	0	0	0	0	0	70
Description: Electrical mounting board Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809505	55B - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Electrical mounting board Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809506	55C - Basement		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Electrical mounting board Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809507	56A - Canteen	Black	0	0	0	0	0	0	30	0	0	0	0	0	70
Description: Black flexible hose duct Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
 Client Project #: 7055001.000
 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

Batch: B71866
 Date Sampled: 10/4/2010
 Date Received: 10/8/2010
 Date Analyzed: 10/16/2010
 Date of Report: 10/22/2010

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809508	56B - Foyer	Black	0	0	0	0	0	0	30	0	0	0	0	0	70
Description: Black flexible hose duct Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809509	56C - Morgue Hallway	Black	0	0	0	0	0	0	30	0	0	0	0	0	70
Description: Black flexible hose duct Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809510	57A - 216A	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Terrazzo floor Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809511	57B - Supply closet	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Terrazzo floor Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809512	57C - 406	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Terrazzo floor Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809513	58A - Foyer	Black	0	0	0	0	0	0	0	0	70	0	0	0	30
Description: Black felt on anemostat Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

ProScience Analytical Services, Inc.

Client Name: Mabbett & Associates, Inc.
 PO #: 4632
 Client Project #: 7055001.000
 Client Reference: Norwich State Hospital - Ribicoff Building
 Method: EPA/600/R-93/116

Batch: B71866
 Date Sampled: 10/4/2010
 Date Received: 10/8/2010
 Date Analyzed: 10/16/2010
 Date of Report: 10/22/2010

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809514	58B - Foyer	Black	0	0	0	0	0	0	0	0	70	0	0	0	30
Description: Black felt on anemostat Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809515	58C - Foyer	Black	0	0	0	0	0	0	0	0	70	0	0	0	30
Description: Black felt on anemostat Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809516	59A - Exterior	Black	30	0	0	0	0	0	0	0	0	0	0	0	70
Description: Black flashing cement Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809517	59B - Exterior		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Black flashing cement Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809518	59C - Exterior		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Black flashing cement Location: N/A Comments: Is asbestos present? No. Analyzed: No															

Lab ID	Field ID	Color	Asbestos						Non-Asbestos						
			CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
B809519	10G -	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Textured surfacing on cinderblock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes															

Asbestos Codes: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite
 Non-Asbestos Codes: FBG = Fiberglass MNW = Mineral Wool CEL = Cellulose HAR = Hair SYN = Synthetic OTH = Other NON = Non-Fibrous Minerals

* All results are in percentage.

Analyst: Stefanie Bishop

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

PROSCIENCE ANALYTICAL SERVICES, INC.

LOCATED AT 22 Cummings Park IN Woburn, MA 01801

AND REGISTERED IN THE NAME OF Adrian Stanca

THIS CERTIFICATE IS ISSUED IN THE NAME OF Adrian Stanca WHO HAS BEEN DESIGNATED

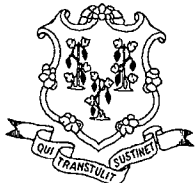
BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

<u>NON-POTABLE WATER/ WASTEWATER, SOLID WASTE/SOIL</u>	<u>ENVIRONMENTAL HEALTH & HOUSING</u>	<u>ASBESTOS</u>
<u>INORGANICS</u>	<u>LEAD IN PAINT</u>	<u>AIR</u>
	<u>LEAD (PAINT) IN SOIL</u>	<u>BULK MATERIALS</u>
	<u>LEAD IN DUST WIPES</u>	<u>WATER</u>

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES December 31, 2010 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 18th DAY OF December 2008



Registration No.

PH-0209

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION



CERTIFICATE OF ANALYSIS

Mike Delaney
Mabbett & Associates, Inc.
5 Alfred Circle
Bedford, MA 01730

RE: Ribicoff Building (7055001.007)
ESS Laboratory Work Order Number: 1010080

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.



Laurel Stoddard
Laboratory Director

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

ESS Laboratory certifies that the test results meet the requirements of NELAC and A2LA, except where noted within this project narrative.



CERTIFICATE OF ANALYSIS

Client Name: Mabbett & Associates, Inc.
Client Project ID: Ribicoff Building

ESS Laboratory Work Order: 1010080

SAMPLE RECEIPT

The following samples were received on October 06, 2010 for the analyses specified on the enclosed Chain of Custody Record.

To achieve Reasonable Confidence Protocols (RCP) compliance for Connecticut data, ESS Laboratory has performed and reviewed all QA/QC Requirements and Performance Standards listed in each method. Holding times and preservation have also been reviewed. All RCP requirements have been achieved unless noted in the project narrative.

Question 5: Each method has been set-up in the laboratory to reach required RCP standards. The methods for aqueous VOA and Soil Methanol VOA have known limitations for certain analytes (ie for GWPC samples, 1,2-Dibromoethane regulatory levels will not be met by VOA 8260. If this is a contaminant of concern Method 8011 will need to be used.). The regulatory standards may not be achieved due to these limitations. In addition, for all methods, matrix interferences, dilutions, and %Solids may elevate method reporting limits above regulatory standards. ESS Laboratory can provide, upon request, a Data Checker (regulatory standard comparison spreadsheet) electronic deliverable which will highlight these exceedances.

<u>Lab Number</u>	<u>SampleName</u>	<u>Matrix</u>	<u>Analysis</u>
1010080-01	Front Door Caulking	Solid	8082
1010080-02	Window Caulking	Solid	8082
1010080-03	Stone Sill Caulking	Solid	8082
1010080-04	Side Door Caulking	Solid	8082



CERTIFICATE OF ANALYSIS

Client Name: Mabbett & Associates, Inc.
Client Project ID: Ribicoff Building

ESS Laboratory Work Order: 1010080

PROJECT NARRATIVE

8082 Polychlorinated Biphenyls (PCB)

1010080-02 [Surrogate recovery\(ies\) diluted below the MRL \(SD\).](#)

1010080-03 [Surrogate recovery\(ies\) diluted below the MRL \(SD\).](#)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: Mabbett & Associates, Inc.
Client Project ID: Ribicoff Building

ESS Laboratory Work Order: 1010080

Laboratory Analysis
QA/QC Certification Form

Project Number: 7055001.007

Sampling Date(s): 10/5/2010

Laboratory Sample ID(s): 1010080-01 through 1010080-04

List RCP Methods Used () 8260B () 8151A () ETPH () 6010B () 7470A/1A
Other: _____ () 8270C () 8081A () VPH () 6020 () 9014M
_____ (X) 8082 () 8021B () EPH () 7000 S () 7196A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria failing outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	Yes (X) No ()
1A	Were the method specific preservation and holding time requirements met?	Yes (X) No ()
1B	<u>VPH and EPH Methods only:</u> Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes () No () N/A (X)
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes (X) No ()
3	Were samples received at an appropriate temperature (<6° C°)?	Yes (X) No () N/A ()
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes () No (X)
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes (X) No () Yes (X) No ()
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes (X) No ()
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes () No (X)

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Laurel Stoddard

Position: Laboratory Director

Printed Name: Laurel Stoddard

Date: October 18, 2010



CERTIFICATE OF ANALYSIS

Client Name: Mabbett & Associates, Inc.
Client Project ID: Ribicoff Building
Client Sample ID: Front Door Caulking
Date Sampled: 10/05/10 13:00
Percent Solids: N/A
Initial Volume: 3.7
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1010080
ESS Laboratory Sample ID: 1010080-01
Sample Matrix: Solid
Units: mg/kg wet
Analyst: IBM
Prepared: 10/12/10 16:00

8082 Polychlorinated Biphenyls (PCB)

CT - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (0.270)	1	1	10/15/10 4:56		CJ01216
Aroclor 1221	ND (0.270)	1	1	10/15/10 4:56		CJ01216
Aroclor 1232	ND (0.270)	1	1	10/15/10 4:56		CJ01216
Aroclor 1242	ND (0.270)	1	1	10/15/10 4:56		CJ01216
Aroclor 1248	ND (0.270)	1	1	10/15/10 4:56		CJ01216
Aroclor 1254	2.61 (0.270)	1	1	10/15/10 4:56		CJ01216
Aroclor 1260	ND (0.270)	1	1	10/15/10 4:56		CJ01216
Aroclor 1262	ND (0.270)	1	1	10/15/10 4:56		CJ01216
Aroclor 1268	ND (0.270)	1	1	10/15/10 4:56		CJ01216

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	87 %		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	101 %		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	83 %		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	81 %		30-150



CERTIFICATE OF ANALYSIS

Client Name: Mabbett & Associates, Inc.
Client Project ID: Ribicoff Building
Client Sample ID: Window Caulking
Date Sampled: 10/05/10 13:05
Percent Solids: N/A
Initial Volume: 5.1
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1010080
ESS Laboratory Sample ID: 1010080-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: IBM
Prepared: 10/12/10 16:00

8082 Polychlorinated Biphenyls (PCB)

CT - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (19.6)	1	100	10/14/10 6:12		CJ01216
Aroclor 1221	ND (19.6)	1	100	10/14/10 6:12		CJ01216
Aroclor 1232	ND (19.6)	1	100	10/14/10 6:12		CJ01216
Aroclor 1242	ND (19.6)	1	100	10/14/10 6:12		CJ01216
Aroclor 1248	ND (19.6)	1	100	10/14/10 6:12		CJ01216
Aroclor 1254	179 (19.6)	1	100	10/14/10 6:12		CJ01216
Aroclor 1260	ND (19.6)	1	100	10/14/10 6:12		CJ01216
Aroclor 1262	ND (19.6)	1	100	10/14/10 6:12		CJ01216
Aroclor 1268	ND (19.6)	1	100	10/14/10 6:12		CJ01216

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	%		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	%		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	%		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	%		30-150



CERTIFICATE OF ANALYSIS

Client Name: Mabbett & Associates, Inc.
Client Project ID: Ribicoff Building
Client Sample ID: Stone Sill Caulking
Date Sampled: 10/05/10 13:10
Percent Solids: N/A
Initial Volume: 5
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1010080
ESS Laboratory Sample ID: 1010080-03
Sample Matrix: Solid
Units: mg/kg wet
Analyst: IBM
Prepared: 10/12/10 16:00

8082 Polychlorinated Biphenyls (PCB)

CT - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (10000)	1	50000	10/14/10 16:50		CJ01216
Aroclor 1221	ND (10000)	1	50000	10/14/10 16:50		CJ01216
Aroclor 1232	ND (10000)	1	50000	10/14/10 16:50		CJ01216
Aroclor 1242	ND (10000)	1	50000	10/14/10 16:50		CJ01216
Aroclor 1248	ND (10000)	1	50000	10/14/10 16:50		CJ01216
Aroclor 1254	147000 (10000)	1	50000	10/14/10 16:50		CJ01216
Aroclor 1260	ND (10000)	1	50000	10/14/10 16:50		CJ01216
Aroclor 1262	ND (10000)	1	50000	10/14/10 16:50		CJ01216
Aroclor 1268	ND (10000)	1	50000	10/14/10 16:50		CJ01216

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	%		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	%		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	%		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	%		30-150



CERTIFICATE OF ANALYSIS

Client Name: Mabbett & Associates, Inc.
Client Project ID: Ribicoff Building
Client Sample ID: Side Door Caulking
Date Sampled: 10/05/10 13:20
Percent Solids: N/A
Initial Volume: 4.1
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1010080
ESS Laboratory Sample ID: 1010080-04
Sample Matrix: Solid
Units: mg/kg wet
Analyst: IBM
Prepared: 10/12/10 16:00

8082 Polychlorinated Biphenyls (PCB)

CT - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (0.244)	1	1	10/15/10 5:25		CJ01216
Aroclor 1221	ND (0.244)	1	1	10/15/10 5:25		CJ01216
Aroclor 1232	ND (0.244)	1	1	10/15/10 5:25		CJ01216
Aroclor 1242	ND (0.244)	1	1	10/15/10 5:25		CJ01216
Aroclor 1248	ND (0.244)	1	1	10/15/10 5:25		CJ01216
Aroclor 1254	1.23 (0.244)	1	1	10/15/10 5:25		CJ01216
Aroclor 1260	ND (0.244)	1	1	10/15/10 5:25		CJ01216
Aroclor 1262	ND (0.244)	1	1	10/15/10 5:25		CJ01216
Aroclor 1268	ND (0.244)	1	1	10/15/10 5:25		CJ01216

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	95 %		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	105 %		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	93 %		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	97 %		30-150



CERTIFICATE OF ANALYSIS

Client Name: Mabbett & Associates, Inc.
Client Project ID: Ribicoff Building

ESS Laboratory Work Order: 1010080

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch CJ01216 - 3540										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0217		mg/kg wet	0.02500		87	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.0233		mg/kg wet	0.02500		93	30-150			
Surrogate: Tetrachloro-m-xylene	0.0209		mg/kg wet	0.02500		84	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.0230		mg/kg wet	0.02500		92	30-150			
LCS										
Aroclor 1016	0.499	0.0500	mg/kg wet	0.5000		100	40-140			
Aroclor 1260	0.489	0.0500	mg/kg wet	0.5000		98	40-140			
Surrogate: Decachlorobiphenyl	0.0233		mg/kg wet	0.02500		93	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.0244		mg/kg wet	0.02500		98	30-150			
Surrogate: Tetrachloro-m-xylene	0.0194		mg/kg wet	0.02500		78	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.0201		mg/kg wet	0.02500		81	30-150			
LCS Dup										
Aroclor 1016	0.520	0.0500	mg/kg wet	0.5000		104	40-140	4	50	
Aroclor 1260	0.491	0.0500	mg/kg wet	0.5000		98	40-140	0.5	50	
Surrogate: Decachlorobiphenyl	0.0238		mg/kg wet	0.02500		95	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.0245		mg/kg wet	0.02500		98	30-150			
Surrogate: Tetrachloro-m-xylene	0.0208		mg/kg wet	0.02500		83	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.0216		mg/kg wet	0.02500		86	30-150			



CERTIFICATE OF ANALYSIS

Client Name: Mabbett & Associates, Inc.
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Notes and Definitions

U	Analyte included in the analysis, but not detected
SD	Surrogate recovery(ies) diluted below the MRL (SD).
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit (LOD for DoD Reports)
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
LOD	Limit of Detection
[CALC]	Calculated Analyte
LOQ	Limit of Quantitation
DL	Detection Limit



CERTIFICATE OF ANALYSIS

Client Name: Mabbett & Associates, Inc.
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ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)

A2LA Accredited: Testing Cert# 2864.01
<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179
<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/out_state.pdf

Maine Potable and Non Potable Water: RI0002
http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002
<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
<http://www4.egov.nh.gov/des/nhelap/namesearch.asp>

New York (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 11313
<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301
http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

South Carolina Volatile Organic Compounds in Potable Water: 78003

New Jersey Potable (VOA) and Non Potable Water (RCRA), Solids and Hazardous Waste: RI002
<http://www.nj.gov/dep/oqa/certlabs.htm>

Pennsylvania Potable and Non Potable Water, Solid and Hazardous Waste: 68-01752
http://files.dep.state.pa.us/RegionalResources/Labs/LabsPortalFiles/2009-0911_accredited_laboratories.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01
Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)
<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141
Lead Paint, Lead in Children's Metals Jewelry
<http://www.cpsc.gov/cgi-bin/labapplist.aspx>

Sample and Cooler Receipt Checklist

Client: Mabbett & Associates

Client Project ID: _____

Shipped/Delivered Via: ClientESS Project ID: 10100080Date Project Due: 10/13/10

Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?

*** No**

10. Are the samples properly preserved?

Yes

Air No.:

11. Proper sample containers used?

Yes

2. Were Custody Seals Present?

No

12. Any air bubbles in the VOA vials?

N/A

3. Were Custody Seals Intact?

N/A

13. Holding times exceeded?

No

4. Is Radiation count < 100 CPM?

Yes

14. Sufficient sample volumes?

Yes

5. Is a cooler present?

N/A

15. Any Subcontracting needed?

NoCooler Temp: **NA**16. Are ESS labels on correct containers? **Yes|No**Iced With: **None**17. Were samples received intact? **Yes|No**

6. Was COC included with samples?

Yes

ESS Sample IDs: _____

7. Was COC signed and dated by client?

Yes

Sub Lab: _____

8. Does the COC match the sample

Yes

Analysis: _____

9. Is COC complete and correct?

Yes

TAT: _____

18. Was there need to call project manager to discuss status? If yes, please explain.

Who was called?: _____

By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	8 oz Soil Jar	1	NP
2	Yes	8 oz Soil Jar	1	NP
3	Yes	8 oz Soil Jar	1	NP
4	Yes	8 oz Soil Jar	1	NP

Completed By: MKDate/Time: 10/6/10Reviewed By: DDate/Time: 10/6/10

Appendix D

Photograph Log of Representative Asbestos Bulk Sample Materials

Representative Asbestos Bulk Sample
Photograph Log – Ribicoff Building, Former Norwich State Hospital



Ribicoff Building
Main entrance



Asphalt and gravel roof, tar paper under roof
Samples 1, 2



Silver painted flashing cement
Sample 3



Morgue roof, similar to main roof
Samples 1, 2, 3



9" x 9" Pink and red floor tile
Samples 4, 5, 6, 7



Cove base and mastic
Samples 8 and 9

Representative Asbestos Bulk Sample
Photograph Log – Ribicoff Building, Former Norwich State Hospital



Textured surface material
Sample 10



9" x 9" Maroon and off-white tiles and mastic
Samples 11, 12, 15, 16



9" x 9" White tile and mastic
Samples 13, 14



12" x 12" White tile & mastic
Samples 17, 18



9" x 9" Green tile and mastic
Samples 19, 20



9" x 9" Black tile and mastic
Samples 21, 22

**Representative Asbestos Bulk Sample
Photograph Log – Ribicoff Building, Former Norwich State Hospital**

 <p>12" x 12" Light blue tile and mastic Samples 23, 24</p>	 <p>9" x 9" Grey tile and mastic Samples 25, 26</p>
 <p>9" x 9" Dark blue tile and mastic Samples 27, 28</p>	 <p>Carpet mastic (tile sampled under samples 11, 12, 15, 16) Sample 29</p>
 <p>2' x 4' Ceiling tile Sample 30</p>	 <p>Laboratory counter top Sample 31</p>

Representative Asbestos Bulk Sample
Photograph Log – Ribicoff Building, Former Norwich State Hospital



2' x 2' Ceiling tile
Sample 33



Window glazing
Sample 34



Plaster skim coat under wall paper
Sample 35



Dry wall and joint compound
Samples 36, 37



1' x 1' Ceiling tile and glue daubs
Samples 38, 42



Window gasket glaze, type II
Sample 39

Representative Asbestos Bulk Sample
Photograph Log – Ribicoff Building, Former Norwich State Hospital



9" x 9" White with green streaks tile and mastic
Samples 40, 41



Caulk between wall and door partitions
Sample 43



Adhesive on metal brackets
Sample 44



Panels inside cupboards
Sample 32



Thermal system insulation, >6"
Sample 45








Thermal system insulation, <6"
Sample 46

Representative Asbestos Bulk Sample
Photograph Log – Ribicoff Building, Former Norwich State Hospital

 <p>Exterior wrap on air handler Sample 47</p>	 <p>Pipe fitting cement, >6" and <6" Samples 48 and 49</p>
 <p>Exterior grey and white caulk Sample 50</p>	 <p>1' x 1' Ceiling tile and adhesive, type II Samples 51 and 52</p>
 <p>Black pipe wrap on boiler hose Sample 53</p>	 <p>Vibration dampening cloth Sample 54</p>

Representative Asbestos Bulk Sample
Photograph Log – Ribicoff Building, Former Norwich State Hospital

 <p>Electrical mounting board Sample 55</p>	 <p>Black flexible hose duct on amostat Sample 56</p>
 <p>Terrazzo flooring Sample 57</p>	 <p>Felt insulation on amostat Sample 58</p>
 <p>Black flashing cement on building footing Sample 59</p>	<p>Intentionally blank</p>